

# EU Safety Data Sheet

Telio CS Desensitizer



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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 CS Desensitizer**
- 1.2 Application / Use Desensitizer
- 1.3 Producer Ivoclar Vivadent AG, Bendererstrasse 2, FL - 9494 Schaan  
Fürstentum Liechtenstein  
[msds@ivoclarvivadent.com](mailto:msds@ivoclarvivadent.com)
- Supplier
- 1.4 TOX emergency number  
Official Emergency-Call: +423 / 235 35 35 or 373 40 40  
Ivoclar Vivadent AG, FL-9494 Schaan, Liechtenstein

## 2 Hazards identification

Risk of serious damage to eyes. Harmful by inhalation and if swallowed. Irritating to respiratory system and skin. May cause sensitization by inhalation and in skin contact.

## 3 Composition

- 3.1 Chemical characterization Mixture of water, glutaraldehyde, maleic acid and polyethyleneglycoldimethacrylate
- 3.2 Hazardous components
- |                    |   |
|--------------------|---|
| CAS No. 25852-47-5 | 35 % Polyethylene glycol dimethacrylate<br>Xi: Irritant. R36/37/38: Irritating to eyes, respiratory system and skin.  |
| CAS No. 111-30-8   | 5 % Glutaraldehyde<br>EINECS/ELINCS No.: 203-856-5<br>T: Toxic. N: Dangerous for the environment. R34: Causes burns. R50: Very toxic to aquatic organisms. R23/25: Toxic by inhalation and if swallowed. R42/43: May cause sensitization by inhalation and in skin contact. |
- 3.3 Further information None.

## 4 First aid measures

- 4.1 Eye contact Flush eyes with plenty of water. Consult a physician or transport to emergency facility immediately.
- 4.2 Skin contact Call a physician if irritation persists.  
Wash thoroughly with water.
- 4.3 Ingestion After ingestion call a physician immediately and show this safety

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data sheet. Give large amounts of water.

4.4 Inhalation If respiratory irritation is experienced, call a physician. Take into fresh air.

4.5 Further information Remove contaminated clothing.

## 5 Fire-fighting measures

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

5.2 Extinguishing media to avoid None.

5.3 Further information None.

## 6 Accidental release measures

Clean up with absorbent material.  
Clean area with large amounts of water.  
Prevent skin and eye contact.

## 7 Handling and storage

7.1 Handling Only adequately trained personnel should handle this product.

7.2 Industrial hygiene Practice care and caution to avoid skin and eye contact. Usual hygienic measures for dental practice.

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

7.4 Place of storage Do not store in open sunshine.

7.5 Fire- and explosion-protection None.

## 8 Exposure controls / Personal protection

8.1 Exposure controls Use only with adequate ventilation.

8.2 Exposure limit values Glutaraldehyde: MAK (Maximale Arbeitsplatzkonzentration, Germany) is 0.1 ppm. ACGIH (American Conference of Governmental Industrial Hygienists, USA) Threshold Limit Value (TLV) is 0.05 ppm.

8.3 Occupational exposure controls

8.3.1 Respiratory protection Respiratory Protection.

8.3.2 Hand protection Rubber 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.

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8.3.3 Eye protection Eye wash fountain should be located in immediate work area. Safety goggles or face-shield.

8.3.4 Other None.

8.4 Environmental exposure controls Not relevant.

## 9 Physical and chemical properties

9.1 Appearance liquid

9.2 Colour colourless

9.3 Odour characteristic

9.4 Change of physical state Test method:

not known

9.5 Density 1.38 g/cm<sup>3</sup> (20°C)

9.6 Vapour pressure  
not applicable

9.7 Viscosity  
not known

9.8 Solubility  
Solubility in water  
soluble

9.9 pH 4.0

9.10 Flash point > 100 °C

9.11 Ignition temperature  
Not applicable.

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 Avoid excessive heat and direct sunlight.

10.4 Further information Avoid exposure to light.

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## 11 Toxicological information

- 11.1 Acute toxicity Oral LD50 for rats: 3900 mg/kg
- 11.2 Subacute / Chronic toxicity No data available.
- 11.3 Further information Uncured material: prolonged or frequently repeated skin contact may cause allergic skin reactions.

## 12 Ecological information

- 12.1 Ecotoxicity The product must not enter effluent, ground water, surface water or the soil.
- 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 German 'Wassergefährdungs Klasse (WGK): 3

## 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 18 01 06

## 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.  
This product requires classification according to the criteria of the "Gefahrstoffverordnung".

15.1 UN number ---  
15.2 National regulations

15.3 EINECS/ELINCS number

15.4 Hazard symbols



15.5 Hazard designation Xn: Harmful. Contains Glutaraldehyde, Polyethylene glycol dimethacrylate.

15.6 Risk phrases

**R: 41-20/22-37/38-42/43**

41 Risk of serious damage to eyes.  
20/22 Harmful by inhalation and if swallowed.  
37/38 Irritating to respiratory system and skin.  
42/43 May cause sensitization by inhalation and in skin contact.

15.7 Safety phrases

**S: 23-24-26-28-45-37/39**

23 Do not breathe vapour.  
24 Avoid contact with skin.  
26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advise.  
28 After contact with skin, wash immediately with plenty of water and soap.

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	45	In case of accident or if you feel unwell, seek medical advise immedietly (show the label where possible).
	37/39	Wear suitable gloves and eye/face protection.
15.8	AGW value	0.1 ml/m <sup>3</sup> (ppm) (Glutaraldehyde)
15.9	BVD classification (CH)	
15.10	VbF (D)	---
15.11	Further information	None.

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**16 Other information** No other information.

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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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