

# EU Safety Data Sheet

Triplex Cold Polymer



Date of issue / Reference

23.04.2007

lise / Version 5

Replaces version of

10.01.2007

hot

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**Sheet No. 1182**

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Company

Ivoclar Vivadent AG, Bendererstrasse 2, FL - 9494 Schaan  
Principality of Liechtenstein

## 1 Commercial product name and supplier

1.1 Commercial product name /  
Designation

**Triplex Cold Polymer**

1.2 Application / Use

Denture base material

1.3 Producer

Ivoclar Vivadent AG, Bendererstrasse 2, FL - 9494 Schaan  
Fürstentum Liechtenstein

1.4 Supplier

1.5 TOX emergency number

Emergency-Call: +423 / 235 35 35  
Ivoclar Vivadent AG, FL-9494 Schaan, Liechtenstein

## 2 Composition

2.1 Chemical characterization

Powder of polymethylmethacrylate, 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.

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5.3	Further information	None.
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<b>6</b>	<b>Accidental release measures</b>	Clean up mechanically.
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## 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	

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## 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/m <sup>3</sup> .
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	

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## 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/cm <sup>3</sup> (20°C)	
9.6	Vapour pressure		
		not applicable	
9.7	Viscosity		
		not applicable	

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## 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 information

Non soluble in water.

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

No ecological problems to be anticipated if properly handled and used.

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## 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

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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.

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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

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15.2 National regulations

15.3 EU number

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15.4 Hazard symbols

15.5 Hazard designation

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15.6	Risk phrases	
15.7	Safety phrases	
15.8	MAK value	--- ml/m <sup>3</sup> (ppm)
15.9	BVD classification (CH)	---
15.10	VbF (D)	---
15.11	Further information	None.

<b>16</b>	<b>Other information</b>	Version: 5 Changes: 2
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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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