

EU Safety Data Sheet

ProBase Cold Polymer



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Replaces version of	23.04.2007	lise / v5		
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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 **ProBase Cold Polymer**

1.2 Application / Use Denture base 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 35 35 or 373 40 40
Ivoclar Vivadent AG, FL-9494 Schaan, Liechtenstein

2 Hazards identification

Dust generation. Avoid breathing dust.

3 Composition

3.1 Chemical characterization Powder of polymethylmethacrylate, plasticiser, pigments and catalysts

3.2 Hazardous components

CAS No. 94-36-0	< 1 % 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 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

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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. |
| 5.3 | Further information | None. |

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- | | | |
|---|-----------------------------|------------------------|
| 6 | Accidental release measures | Clean up mechanically. |
|---|-----------------------------|------------------------|

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 | |

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. |
| 8.3.2 | Hand protection | Gloves. |
| 8.3.3 | Eye protection | Safety goggles. |
| 8.3.4 | Other | |
| 8.4 | Environmental exposure controls | |

9 Physical and chemical properties

- | | | |
|-----|------------|---------------|
| 9.1 | Appearance | powder |
| 9.2 | Colour | white or pink |
| 9.3 | Odour | none |

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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 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	Product may decompose at elevated temperatures generating vapours which could be irritating (Methylmethacrylate). None, if used in accordance to instructions.
10.3	Conditions / materials to avoid	none known
10.4	Further information	None.

11 Toxicological information

11.1	Acute toxicity	Benzoylperoxide: The oral LD50 for rats is > 7'710 mg/kg. Polymethylmethacrylate: The oral LD50 for rats is > 10'000 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.

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12 Ecological information

12.1 Ecotoxicity

12.2 Mobility

12.3 Persistence and degradability

12.4 Bioaccumulative potential

12.5 Further information
Non soluble in water.
German 'Wassergefährdungs Klasse (WGK): not dangerous to water
No ecological problems to be anticipated if properly handled and used.

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 does not require classification as Dangerous Goods.

15.1	UN number	---
15.2	National regulations	
15.3	EINECS/ELINCS number	---
15.4	Hazard symbols	
15.5	Hazard designation	
15.6	Risk phrases	
15.7	Safety phrases	
15.8	AGW value	--- ml/m ³ (ppm)
15.9	BVD classification (CH)	---
15.10	VbF (D)	
15.11	Further information	None.

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.