

EU Safety Data Sheet

Triplex Hot Polymer



Date of issue / Reference 23.04.2007 lise / Version 5
Replaces version of 10.01.2007 lise
Date of printing 23.04.2007 **Sheet No. 1181**

Page 1 of 5

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 Hot 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.

EU Safety Data Sheet

Triplex Hot Polymer



Date of issue / Reference	23.04.2007	lise / Version 5
Replaces version of	10.01.2007	lise
Date of printing	23.04.2007	Sheet No. 1181

Page 2 of 5

5.3	Further information	None.
-----	---------------------	-------

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	Technical measures	Provide adequate local ventilation.
8.2	Control of threshold limits	Producer Industry recommends an exposure limit of 10 mg/m3.
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	

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 ³ (20°C)	
9.6	Vapour pressure		
		not applicable	
9.7	Viscosity		
		not applicable	

EU Safety Data Sheet

Triplex Hot Polymer



Date of issue / Reference	23.04.2007	lise / Version 5
Replaces version of	10.01.2007	lise
Date of printing	23.04.2007	Sheet No. 1181

Page 3 of 5

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.

EU Safety Data Sheet

Triplex Hot Polymer



Date of issue / Reference

23.04.2007 lise / Version 5

Replaces version of

10.01.2007 lise

Date of printing

23.04.2007 **Sheet No. 1181**

Page 4 of 5

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

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 EU number

15.4 Hazard symbols

15.5 Hazard designation

EU Safety Data Sheet

Triplex Hot Polymer



Date of issue / Reference	23.04.2007	lise / Version 5
Replaces version of	10.01.2007	lise
Date of printing	23.04.2007	Sheet No. 1181

Page 5 of 5

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

16	Other information	Version: 5 Changes: 2
-----------	--------------------------	--------------------------

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',
© ASSiST Applied Software Solutions in Science and Technology AG, Weiherweg 3, CH-4104 Oberwil, Switzerland

91/155/EEC