

EU Safety Data Sheet

IPS Empress Esthetic Speed
Investing Material, Liquid



Date of issue / Reference 06.06.2005 hot
Replaces version of 20.07.2004
Date of printing 06.06.2005

Sheet No. 1564

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 **IPS Empress Esthetic Speed Investing Material, Liquid**
- 1.2 Application / Use Investment Material for the layering technique
- 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 or 373 40 40
Ivoclar Vivadent AG, FL-9494 Schaan, Liechtenstein
-

2 Composition

- 2.1 Chemical characterization 70 % Water
30 % colloidal silica (CAS No. 112926-00-8)
- 2.2 Hazardous components None.
- 2.3 Further information None.
-

3 Hazards identification None.

4 First aid measures

- 4.1 Eye contact Flush eyes with plenty of water (10-15 min.) Call 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 Remove to fresh air.
- 4.5 Further information None.
-

5 Fire-fighting measures

- 5.1 Suitable extinguishing media Not required since not combustible.
- 5.2 Extinguishing media to avoid None known
- 5.3 Further information None.
-

EU Safety Data Sheet

IPS Empress Esthetic Speed
Investing Material, Liquid



Date of issue / Reference 06.06.2005 hot
Replaces version of 20.07.2004
Date of printing 06.06.2005

Sheet No. 1564

Page 2 of 5

6 Accidental release measures Clean up with absorbent material such as sawdust, diatomaceous earth or universal absorbents.
Dispose of according to local and national regulations.

7 Handling and storage

- 7.1 Handling Only adequately trained personnel should handle this product.
Keep out of reach of children.
- 7.2 Industrial hygiene Usual hygienic measures for dental practice.
When using, do not eat, drink or smoke.
- 7.3 Storage Store under dry conditions (12-28 °C / 54-82 °F).
- 7.4 Place of storage Sensitive to cold below < 2 °C.
- 7.5 Fire- and explosion-protection None.
-

8 Exposure controls / Personal protection

- 8.1 Technical measures During mixing it is recommended to apply local exhaust ventilation.
- 8.2 Control of threshold limits None established.
- 8.3 Personal protective equipment
- 8.3.1 Respiratory protection In poorly ventilated areas, use air-purifying respiratory protection apparatus (type A).
- 8.3.2 Hand protection Gloves.
- 8.3.3 Eye protection Safety goggles.
- 8.3.4 Other None.
-

9 Physical and chemical properties

- 9.1 Appearance liquid
- 9.2 Colour milky white
- 9.3 Odour odourless
- 9.4 Change of physical state Test method:

- 9.5 Density 1.2 g/cm³
- 9.6 Vapour pressure 20-24 mbar
- 9.7 Viscosity < 10 mPa s

EU Safety Data Sheet

IPS Empress Esthetic Speed
Investing Material, Liquid



Date of issue / Reference 06.06.2005 hot
Replaces version of 20.07.2004
Date of printing 06.06.2005

Sheet No. 1564

Page 3 of 5

9.8 Solubility

Solubility in

miscible

9.9 pH

9-10

9.10 Flash point

not flammable

9.11 Ignition temperature

not applicable

9.12 Explosion limits

Lower:
Upper:
not applicable

9.13 Further information

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 Hazardous reactions

None.

10.4 Further information

None.

11 Toxicological information

11.1 Acute toxicity

Oral LD50 for rats: > 15'000 mg/kg

11.2 Subacute / Chronic toxicity

Prolonged or repeated exposure may cause drying or irritation of the skin.

11.3 Further information

No hazards anticipated from swallowing small amounts incidentally to normal handling.

12 Ecological information

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 03 01

14 Transport information

14.1 Transport at land

ADR

RID

EU Safety Data Sheet

IPS Empress Esthetic Speed
Investing Material, Liquid



Date of issue / Reference

06.06.2005 hot

Replaces version of

20.07.2004

Date of printing

06.06.2005 **Sheet No. 1564**

Page 4 of 5

		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	
	Passenger airplane	Packing Group	
		Packing Instructions	
	Cargo Airplane	max.	
		Packing Instructions	
		max.	
14.4	Further information	Product is not classified for any mode of transportation.	

15 Regulatory information

This product does not require classification according to the criteria of the EC and the "Gefahrstoffverordnung".

15.1 UN number

15.2 National regulations

15.3 EU number

15.4 Hazard symbols

15.5 Hazard designation

15.6 Risk phrases

15.7 Safety phrases

15.8 MAK value

15.9 BVD classification (CH)

15.10 VbF (D)

15.11 Further information

None.

EU Safety Data Sheet

IPS Empress Esthetic Speed
Investing Material, Liquid



Date of issue / Reference 06.06.2005 hot
Replaces version of 20.07.2004
Date of printing 06.06.2005

Sheet No. 1564

Page 5 of 5

16 Other information

Version: 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