

Material Safety Data Sheet

IPS e.max Press



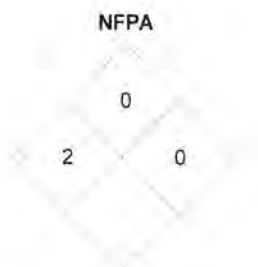
Date of issue / Reference 28.09.2007 lise / Version 2
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Company Ivoclar Vivadent AG, Bendererstrasse 2, FL - 9494 Schaan
Principality of Liechtenstein

1 Commercial product name and supplier

1.1 Commercial product name / Designation **IPS e.max Press**



HMIS	
H	2
F	0
R	0
C	

1.2 Application / Use Press ceramic ingot

1.3 Producer Ivoclar Vivadent AG, Bendererstrasse 2, 9494 Schaan
Principality of Liechtenstein (FL)

1.4 Supplier Ivoclar Vivadent, Inc.
175 Pineview Drive, Amherst NY 14228, USA
2785 Skymark Ave., Unit 1 Mississauga, ON L4W4Y3, Canada
MSDS prepared by Andejeet Gulati. Tel. No. 716 691-0010

1.5 24 Hour Emergency Assistance Emergency-Call USA- Infotrac: 1-800-535-5053
Emergency-Call Canada - Canutec: 1-613-996-6666
General MSDS Assistance US: 1-800-533-6825
Canada: 1-800-263-8182

2 Composition

2.1 Chemical characterization Ceramic ingots made of: >57% SiO₂, Li₂O, K₂O, P₂O₅, ZrO₂, ZnO, Al₂O₃, MgO, La₂O₃ and pigments

2.2 Hazardous components None.

2.3 Further information None.

3 **Hazards identification** Grinding dust (see 8.3.1).

4 First aid measures

4.1 Eye contact No specific requirements.

4.2 Skin contact No specific requirements.

4.3 Ingestion No specific requirements.

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4.4 Inhalation No specific requirements.

4.5 Further information None.

5 Fire-fighting measures

5.1 Suitable extinguishing media No specific requirements.
Not combustible.

5.2 Extinguishing media to avoid None.

5.3 Flash point

not applicable

5.4 Ignition temperature

not applicable

5.5 Explosion limits

Lower:
Upper:
not applicable

5.6 Further information

None.

Test method:

6 Accidental release measures

Clean up mechanically.
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 in a dry place.

7.4 Place of storage

7.5 Fire- and explosion-protection None.

8 Exposure controls / Personal protection

8.1 Technical measures Provide adequate local ventilation.

8.2 Control of threshold limits None established.

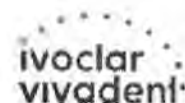
8.3 Personal protective equipment

8.3.1 Respiratory protection Avoid breathing dust.
Respiratory Protection. Avoid inhalation of dust while grinding.
In dusty atmospheres, use an approved dust respirator.

8.3.2 Hand protection Not required.

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8.3.3 Eye protection Eye protection should not be necessary.

8.3.4 Other None.

9 Physical and chemical properties

9.1 Appearance Ingot

9.2 Colour tooth shaded

9.3 Odour odourless

9.4 Change of physical state Test method:

9.5 Density
not known

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 Further information None.

10 Stability and reactivity

10.1 Thermal decomposition None.

10.2 Hazardous decomposition products None.

10.3 Hazardous reactions None.

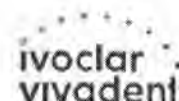
10.4 Further information None.

11 Toxicological information

11.1 Acute toxicity This product is not hazardous according to EEC criteria.

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11.2 Subacute / Chronic toxicity No adverse effects anticipated by this route of exposure incidental to proper industrial handling.

11.3 Further information None.

12 Ecological information No ecological problems to be anticipated if properly handled and used.
non soluble

13 Disposal considerations Take to an approved landfill or a waste incineration plant, under conditions approved by the local authority.

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 --- MFAG ---
EMS ---
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 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 does not require classification as Dangerous Goods.

15.1 National regulations

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15.2 NFPA Storage

15.3 Further information None.

16 Other information

Version: 2
Changes: 1.5

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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

IPS e.max Ceram

**Veneering materials: Dentin, Deep Dentin,
Occlusal Dentin, Margin, Incisal Edge,
Transpa Incisal, Special Incisal, Transpa,
Cervical Transpa,
Opal Effect, Mamelon
Add on materials: Dentin, Incisal, Margin
ZirLiner**

1.2 Application / Use

Ceramic

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

Ceramic powder made of
> 50% SiO₂, CaO, Al₂O₃, CeO₂, Na₂O, K₂O, B₂O₃, ZnO, F, Li₂O,
ZrO₂, P₂O₅, SrO, TiO₂ and pigments

2.2 Hazardous components

None.

2.3 Further information

None.

3 Hazards identification

Dust generation. Avoid breathing dust. Grinding dust (see 8.3.1).

4 First aid measures

4.1 Eye contact

Flush eyes with plenty of water; mechanical effects only.

4.2 Skin contact

No specific requirements.

4.3 Ingestion

No specific requirements.

4.4 Inhalation

Take into fresh air.

4.5 Further information

None.

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5 Fire-fighting measures

- 5.1 Suitable extinguishing media not combustible
No specific requirements.
- 5.2 Extinguishing media to avoid None.
- 5.3 Further information None.

6 Accidental release measures

Clean up mechanically.
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 in a dry place.
- 7.4 Place of storage
- 7.5 Fire- and explosion-protection Not required.

8 Exposure controls / Personal protection

- 8.1 Technical measures Provide adequate local ventilation.
- 8.2 Control of threshold limits Grinding dust: Producer Industry recommends an exposure limit of 1.5 mg/m³.
- 8.3 Personal protective equipment
 - 8.3.1 Respiratory protection In dusty atmospheres, use an approved dust respirator.
Avoid dust build-up.
 - 8.3.2 Hand protection Not required.
 - 8.3.3 Eye protection Safety goggles.
 - 8.3.4 Other None.

9 Physical and chemical properties

- 9.1 Appearance powder
- 9.2 Colour different
- 9.3 Odour odourless
- 9.4 Change of physical state

Test method:

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9.5 Density	not known
9.6 Vapour pressure	not applicable
9.7 Viscosity	not applicable
9.8 Solubility Solubility in	non soluble
9.9 pH	not applicable
9.10 Flash point	not applicable
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.
10.2 Hazardous decomposition products	None.
10.3 Hazardous reactions	None.
10.4 Further information	None.

11 Toxicological information

11.1 Acute toxicity	This product is not hazardous according to EEC criteria.
11.2 Subacute / Chronic toxicity	No adverse effects anticipated by this route of exposure incidental to proper industrial handling.
11.3 Further information	None.

12 Ecological information

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

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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

08 02 99

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 for any mode of transportation.

15 Regulatory information

The product is a medical device according to the EC-directive 93/42/EEC.

15.1 UN number

15.2 National regulations

15.3 EU number

15.4 Hazard symbols

15.5 Hazard designation

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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.

16 Other information Version: 1

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