

EU Safety Data Sheet

IPS e.max CAD Crystall./Glaze Spray



Date of issue / Reference 17.08.2007 lise / Version 2
Replaces version of 22.03.2007 lise
Date of printing 17.08.2007 **Sheet No. 1681**

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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 CAD Crystall./Glaze Spray**
- 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 SiO₂, Al₂O₃, K₂O, Na₂O
- 2.2 Hazardous components Propellant gas
CAS No. 75-28-5 Isobutane
R12: Extremely flammable.
- 2.3 Further information Not for intraoral application
-

3 Hazards identification Extremely flammable.

4 First aid measures

- 4.1 Eye contact Flush eyes with plenty of water (10-15 min.). Call a physician.
- 4.2 Skin contact Wash with water.
- 4.3 Ingestion No hazards anticipated from swallowing small amounts incidentally to normal handling.
- 4.4 Inhalation Take into fresh air. If you feel unwell, seek medical advice (show this safety data sheet).
- 4.5 Further information None.
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5 Fire-fighting measures

- 5.1 Suitable extinguishing media Carbon dioxide, sand, foam, dry chemicals
- 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 Dispose of according to local and national regulations.

7 Handling and storage

- 7.1 Handling Only adequately trained personnel should handle this product.
- 7.2 Industrial hygiene Usual hygienic measures for dental practice.
- 7.3 Storage Do not expose to direct sunshine.
Store at 2-28 °C / 36-82 °F
- 7.4 Place of storage Store in a well ventilated, cool, dry area.
Store away from sources of ignition and heat.
- 7.5 Fire- and explosion-protection Comply with special regulations for aerosols. Storage class VCI: 2B
Note: TRGS 300
-

8 Exposure controls / Personal protection

- 8.1 Technical measures Provide adequate local ventilation. Control airborne concentration below the exposure guideline.
- 8.2 Control of threshold limits not determined
- 8.3 Personal protective equipment
- 8.3.1 Respiratory protection Aerosol: Do not breathe vapour or spray.
In poorly ventilated areas, use air-purifying respiratory protection apparatus (type A).
- 8.3.2 Hand protection Not required.
- 8.3.3 Eye protection Safety goggles
- 8.3.4 Other Eye wash fountain should be located in immediate work area.
-

9 Physical and chemical properties

- 9.1 Appearance liquified gas
- 9.2 Colour colourless
- 9.3 Odour practically odourless
- 9.4 Change of physical state Test method:
Melting point not applicable
Boiling point
- 9.5 Density
- 9.6 Vapour pressure
- 9.7 Viscosity not applicable

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9.8 Solubility
Solubility in water

9.9 pH not applicable

9.10 Flash point - 83 °C

9.11 Ignition temperature 460 °C

9.12 Explosion limits
Lower:
Upper:

9.13 Further information None.

10 Stability and reactivity

10.1 Thermal decomposition Conditions to Avoid (see 7.1 - 7.5)

10.2 Hazardous decomposition products None under normal conditions of storage and use.

10.3 Hazardous reactions None under normal conditions of storage and use.

10.4 Further information None.

11 Toxicological information

11.1 Acute toxicity Do not breathe vapour. Signs and symptoms of excessive exposure may be narcotic effects.
If liquid contacts skin and eyes, evaporation may cause frost-bite type injury due to rapid cooling.

11.2 Subacute / Chronic toxicity

11.3 Further information Excessive exposure may cause eye and respiratory irritation.

12 Ecological information

No ecological problems to be anticipated if properly handled and used.
No bioconcentration is expected because of the volatility and degradability of this material.

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 16 05 05

14 Transport information

14.1 Transport at land ADR 2.1 RID 2.1

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	UN Number	1950	Kemler Number	
	Packing Group	---		
	Proper shipping name	Aerosols, flammable		
14.2	Transport at sea	ADNR	2.1	IMDG 32-04
	UN Number	1950		
	EMS	F-D, S-U	MFAG	---
	Packing Group	---		
	Proper shipping name	Aerosols, flammable		
14.3	Air transport	ICAO / IATA-DGR	Class 2.1	
	UN Number	1950		
	Proper shipping name	Aerosols, flammable		
	Subsidiary Risk	---		
	Labels	Flamm. Gas		
	Packing Group	---		
	Passenger airplane	Packing Instructions	203	
	Cargo Airplane	max.	75 kg	
		Packing Instructions	203	
		max.	150 kg	
14.4	Further information	None.		


15 Regulatory information

This product requires classification according to the criteria of the "Gefahrstoffverordnung".

15.1 UN number 1950

15.2 National regulations

15.3 EU number ---

15.4 Hazard symbols
F+


15.5 Hazard designation F+: Extremely flammable. Contains Isobutane.

15.6 Risk phrases
R: 12
12 Extremely flammable.

15.7 Safety phrases
S: 9-16
9 Keep container in a well-ventilated place.
16 Keep away from sources of ignition - No smoking.

15.8 MAK value

15.9 BVD classification (CH) ---

15.10 VbF (D)

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15.11 Further information None.

16 Other information Version: 2
 Changes: 9.10 / 9.11

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',
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