

EU Safety Data Sheet

IPS e.max Press Invex Liquid



Date of issue / Reference	27.08.2010	liprt		
Replaces version of	03.02.2009	liprt / v3		
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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 **IPS e.max Press Invex Liquid**

1.2 Application / Use Etching Liquide

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 33 13
Ivoclar Vivadent AG, FL-9494 Schaan, Liechtenstein

2 Hazards identification

Harmful by inhalation, in contact with skin and if swallowed. Irritating to eyes, respiratory system and skin.

3 Composition

3.1 Chemical characterization
Acids in aqueous solution

3.2 Hazardous components

CAS No. 7664-39-3	< 0.6 % Hydrofluoric acid EINECS/ELINCS No.: 231-634-8 T: Toxic. C: Corrosive. R35: Causes severe burns. R26/27/28: Very toxic by inhalation, in contact with skin and if swallowed.
CAS No. 7664-93-9	< 1.7 % Sulphuric acid C: Corrosive. R35: Causes severe burns.

3.3 Further information None.

4 First aid measures

4.1 Eye contact Flush eyes with plenty of water.
Consult a physician if irritation persists.

4.2 Skin contact Initial decontamination should be immediate with copious quantities of water.
Call a physician if irritation persists.

4.3 Ingestion Give large amounts of water.
If you feel unwell, seek medical advice (show this safety data sheet).

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4.4 Inhalation Remove to fresh air.

4.5 Further information

None.

5 Fire-fighting measures

5.1 Suitable extinguishing media Non-combustible product.

5.2 Extinguishing media to avoid Not required since not combustible.

5.3 Further information None.

6 Accidental release measures

Clean up with absorbent material.
Prevent skin and eye contact.
Dispose of according to local and national regulations.
Clean area with large amounts of water.

7 Handling and storage

7.1 Handling Only adequately trained personnel should handle this product.
Use only in a well ventilated area.

7.2 Industrial hygiene Usual hygienic measures for dental practice.
Practice care and caution to avoid skin and eye contact.

7.3 Storage Store at 2-28 °C / 36-82 °F
Store in a cool, dry, well-ventilated place in the original container.

7.4 Place of storage Do not store in open sunshine.

7.5 Fire- and explosion-protection Not combustible.
No specific requirements.

8 Exposure controls / Personal protection

8.1 Exposure controls Use only with adequate ventilation.

8.2 Exposure limit values MAK (Maximale Arbeitsplatzkonzentration, Germany) is 0.1 mg/m³ (sulphuric acid).
MAK (Maximale Arbeitsplatzkonzentration, Germany) is 1 ppm (Hydrofluoric acid).

8.3 Occupational exposure controls

8.3.1 Respiratory protection Atmospheric levels should be maintained below the exposure guideline.

8.3.2 Hand protection Rubber gloves.

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- 8.3.3 Eye protection Eye wash fountain should be located in immediate work area. Safety goggles and face-shield.
- 8.3.4 Other Remove contaminated clothing immediately, wash skin area with water, and launder clothing. Work in a fume hood.
- 8.4 Environmental exposure controls

9 Physical and chemical properties

- 9.1 Appearance Liquid
- 9.2 Colour colourless
- 9.3 Odour practically odourless
- 9.4 Change of physical state Test method:
- 9.5 Density ca. 1 g/cm³ (20°C)
- 9.6 Vapour pressure not known
- 9.7 Viscosity not known
- 9.8 Solubility
Solubility in water soluble
- 9.9 pH > 2.0 20 °C
- 9.10 Flash point not flammable
- 9.11 Ignition temperature None.
- 9.12 Explosion limits Lower:
Upper:
not applicable
- 9.13 Further information
Part. coeff. n-octanol/water
Evaporat. rate None.

10 Stability and reactivity

- 10.1 Thermal decomposition During thermal decomposition, toxic and irritating gases/fumes may be released.
- 10.2 Hazardous decomposition products Hydrogen fluoride and sulfur dioxide

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10.3 Conditions / materials to avoid Avoid excessive heat and direct sunlight.

10.4 Further information None.

11 Toxicological information

11.1 Acute toxicity Harmful by inhalation, in contact with skin and if swallowed.

11.2 Subacute / Chronic toxicity No data available.

11.3 Further information None.

12 Ecological information

12.1 Ecotoxicity No data available.

12.2 Mobility No data available.

12.3 Persistence and degradability No data available.

12.4 Bioaccumulative potential No data available.

12.5 Further information The product must not enter effluent, ground water, surface water or the soil.
-
German "Wassergefahrdungs Klasse (WGK)": 1

13 Disposal considerations

To neutralize the diluted solution, addcautionsly lime or soda and wait for 5 minutes. After 5 minutes, dispose of the neutralized solution under running water.

13.1 EU waste key 20 01 14

14 Transport information

14.1 Transport at land

ADR	---	RID	---
UN Number	---	Kemler Number	---
Packing Group	---		
Proper shipping name	---		

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14.2	Transport at sea	ADNR	---	IMDG	---
		UN Number	---		
		EMS	---	MFAG	---
		Packing Group	---		
		Proper shipping name	---		
		Marine pollutant	---		
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

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

15.1 UN number ---
 15.2 National regulations ---

15.3 EINECS/ELINCS number ---

15.4 Hazard symbols


15.5 Hazard designation
 Xn: Harmful. Contains Hydrofluoric acid, Sulphuric acid.

15.6 Risk phrases
R: 20/21/22-36/37/38
 20/21/22 Harmful by inhalation, in contact with skin and if swallowed.
 36/37/38 Irritating to eyes, respiratory system and skin.

15.7 Safety phrases
S: 24-26-28-45-7/9-36/37
 24 Avoid contact with skin.
 26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advise.
 28 After contact with skin, wash immediately with plenty of water.

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	45	In case of accident or if you feel unwell, seek medical advise immediately (show the label where possible).
	7/9	Keep container tightly closed and in a well-ventilated place.
	36/37	Wear suitable protective clothing and gloves.
15.8 AGW value	1 ml/m ³ (ppm) 0.83 mg/m ³ (Hydrofluoric acid)	
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.