

EU Safety Data Sheet

Email Preparator blue



Date of issue / Reference

08.03.2005 hot

Replaces version of

26.02.2003

Date of printing

08.04.2005 **Sheet No. 1141**

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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 **Email Preparator blue**
- 1.2 Application / Use Etching gel
- 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 Phosphoric acid - Gel
- 2.2 Hazardous components
CAS No. 7664-38-2 37 % Phosphoric acid, Solution in Water
C: Corrosive. R34: Causes burns.
- 2.3 Further information None.

3 Hazards identification

Corrosive.

4 First aid measures

- 4.1 Eye contact Consult a physician or transport to emergency facility immediately.
- 4.2 Skin contact Wash thoroughly with soap and water.
- 4.3 Ingestion After ingestion call a physician immediately and show this safety data sheet. Do not induce vomiting. Give large amounts of water.
- 4.4 Inhalation Remove to fresh air. If respiratory irritation is experienced, call a physician.
- 4.5 Further information Remove contaminated clothing.

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 Cool containers in the vicinity of the blaze using a water spray.

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6 Accidental release measures

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

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.
Keep out of reach of children.

7.3 Storage

Store at 2-28 °C / 36-82 °F
Cool storage of (2-8°C / 36-46 °F) is indicated for larger stock.

7.4 Place of storage

Do not store in open sunshine.

7.5 Fire- and explosion-protection

Keep away from heat source.
Not combustible.

8 Exposure controls / Personal protection

8.1 Technical measures

Use only with adequate ventilation.

8.2 Control of threshold limits

MAK-Value = TLV (USA): 1 mg/m³

8.3 Personal protective equipment

8.3.1 Respiratory protection

Respiratory Protection.

8.3.2 Hand protection

Rubber gloves.

8.3.3 Eye protection

Eye wash fountain should be located in immediate work area.
Safety goggles or face-shield.

8.3.4 Other

Remove contaminated clothing immediately, wash skin area with water, and launder clothing.

9 Physical and chemical properties

9.1 Appearance

liquid

9.2 Colour

blue

9.3 Odour

Practically odourless

9.4 Change of physical state

not applicable

Test method:

9.5 Density

not determined

9.6 Vapour pressure

not applicable

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9.7 Viscosity

not known

9.8 Solubility

Solubility in

soluble

9.9 pH

< 1

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

Avoid excessive heat and direct sunlight.

10.4 Further information

None.

11 Toxicological information

11.1 Acute toxicity

May cause severe eye irritation. Eye Contact: (see 4.1., First aid measures).

Ingestion may cause burns of mouth and throat.

Oral LD50 for rats: 4135 mg/kg

Due to the pH of this material, it is assumed that exposure will cause skin burns.

11.2 Subacute / Chronic toxicity

not known

11.3 Further information

None.

12 Ecological information

The product must not enter effluent, ground water, surface water or the soil.

German "Wassergefährdungs Klasse (WGK)": 1

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13 Disposal considerations Take to a special waste incineration plant, in line with local regulations.

13.1 EU waste key 06 01 04

14 Transport information

14.1 Transport at land

ADR	8	RID	8
UN Number	1805	Kemler Number	---
Packing Group			III
Proper shipping name			Phosphoric acid, liquid

14.2 Transport at sea

ADNR	8	IMDG	31-02
UN Number	1805		
EMS	F-A, S-B	MFAG	700
Packing Group			III
Proper shipping name			Phosphorsäure, flüssig

14.3 Air transport

ICAO / IATA-DGR		Klasse 8	
UN Number		1805	
Proper shipping name		Phosphoric acid, solution	
Subsidiary Risk			
Labels		Corrosive	
Packing Group		III	
Passenger airplane		Packing Instructions	819
		max.	5 L
Cargo Airplane		Packing Instructions	821
		max.	60 L

14.4 Further information

Sample shipment not allowed by mail.

15 Regulatory information

The product is a medical device according to the EC-directive 93/42.
This product requires classification according to the criteria of the EC.

15.1 UN number 1805

15.2 National regulations

15.3 EU number 231-633-2

15.4 Hazard symbols

C

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15.5	Hazard designation	C: Corrosive. Contains Phosphoric acid, Solution in Water.
15.6	Risk phrases	R: 34 34 Causes burns.
15.7	Safety phrases	S: 2-26-45-1/2-37/39 2 Keep out of the reach of children. 26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advise. 45 In case of accident or if you feel unwell, seek medical advise immediately (show the label where possible). 1/2 Keep locked up and out of reach of children. 37/39 Wear suitable gloves and eye/face protection.
15.8	MAK value	1 mg/m ³ ml/m ³ (ppm)
15.9	BVD classification (CH)	
15.10	VbF (D)	
15.11	Further information	None.

16 Other information Version: 3
Changes: 13.1 / 14

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.