

Material Safety Data Sheet

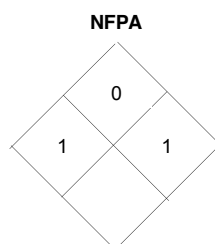
Prevox Liquid

Date of issue / Reference 31.01.2013 liprt / Version 4
Replaces version of 01.09.2008 liprt / v3
Date of printing 31.01.2013 **Sheet No. 1685** 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 **Prevox Liquid**



HMIS	
H	1
F	0
R	1
C	

1.2 Application / Use Pickling Solutions

1.3 Producer Ivoclar Vivadent, Inc.
175 Pineview Drive, Amherst NY 14228, USA

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 Mixture of Water, Phosphoric Acid and Urea.

2.2 Hazardous components
CAS No. 7664-38-2 15 - 40 % Phosphoric acid
C: Corrosive. R34: Causes burns.

2.3 Further information

3 Hazards identification Causes burns. Very toxic by inhalation, in contact with skin and if swallowed.

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 thoroughly with soap and water.

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- | | | |
|-----|---------------------|--|
| 4.3 | Ingestion | Give large amounts of water.
Seek medical advise. |
| 4.4 | Inhalation | Remove to fresh air. Consult a physician. |
| 4.5 | Further information | |
-

5 Fire-fighting measures

- | | | |
|-----|------------------------------|--|
| 5.1 | Suitable extinguishing media | Carbon dioxide, dry chemical and foam. |
| 5.2 | Extinguishing media to avoid | None known. |
| 5.3 | Flash point | not known |
| 5.4 | Ignition temperature | not known |
| 5.5 | Explosion limits | Lower:
Upper:
not known |
| 5.6 | Further information | Wear protective clothing and use self-contained breathing apparatus. |
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Test method:

6 Accidental release measures

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

7 Handling and storage

- | | | |
|-----|--------------------------------|--|
| 7.1 | Handling | Use only in a well ventilated area.
Only adequately trained personnel should handle this product. |
| 7.2 | Industrial hygiene | Usual hygienic measures are necessary.
Practice care and caution to avoid skin and eye contact. |
| 7.3 | Storage | Keep containers tightly closed. |
| 7.4 | Place of storage | Store in a well ventilated, cool, dry area. |
| 7.5 | Fire- and explosion-protection | None. |
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8 Exposure controls / Personal protection

- | | | |
|-----|-----------------------|---|
| 8.1 | Exposure controls | Provide adequate local ventilation. |
| 8.2 | Exposure limit values | ACGIH (American Conference of Governmental Industrial Hygienists, USA) Threshold Limit Value (TLV) is ... ppm (Ceiling).
Phosphoric Acid 1.0 |

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8.3 Occupational exposure controls

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|------------------------------|--|
| 8.3.1 Respiratory protection | Atmospheric levels should be maintained below the exposure guideline.
In poorly ventilated areas, use respiratory protection apparatus. |
| 8.3.2 Hand protection | Appropriate gloves. |
| 8.3.3 Eye protection | Safety goggles. |
| 8.3.4 Other | Remove contaminated clothing immediately, wash skin area with water, and launder clothing. |

8.4 Environmental exposure controls

9 Physical and chemical properties

- | | | |
|------------------------------|-----------------------|--------------|
| 9.1 Appearance | Liquid | |
| 9.2 Colour | yellowish | |
| 9.3 Odour | none | |
| 9.4 Change of physical state | | Test method: |
| Boiling point | 413 °F
107 °F | |
| 9.5 Density | 1.4 g/cm ³ | |
| 9.6 Vapour pressure | | 0.03 mm Hg |
| 9.7 Viscosity | | |
| 9.8 Solubility | | |
| 9.9 pH | 2 | |
| 9.10 Further information | | |
| Part. coeff. n-octanol/water | | |
| Evaporat. rate | | |
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10 Stability and reactivity

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|------|----------------------------------|---|
| 10.1 | Thermal decomposition | During thermal decomposition, toxic and irritating gases/fumes may be released. |
| 10.2 | Hazardous decomposition products | During thermal decomposition, toxic and irritating gases/fumes may be released. |
| 10.3 | Conditions / materials to avoid | Strong acids.
most metals. |
| 10.4 | Further information | |
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11 Toxicological information

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|------|-----------------------------|--|
| 11.1 | Acute toxicity | Corrosive.
Irritating to eyes, respiratory system and skin. |
| 11.2 | Subacute / Chronic toxicity | Avoid eye and skin contact. |
| 11.3 | Further information | None. |
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12 Ecological information

- | | | |
|------|-------------------------------|---|
| 12.1 | Ecotoxicity | |
| 12.2 | Mobility | |
| 12.3 | Persistence and degradability | |
| 12.4 | Bioaccumulative potential | |
| 12.5 | Further information | The product must not enter effluent, ground water, surface water or the soil. |
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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 | 8 | RID | 8 |
| | | UN Number | 1805 | Kemler Number | |
| | | Packing Group | | III | |
| | | Proper shipping name | | Phosphoric acid, solution | |
| 14.2 | Transport at sea | ADNR | 8 | IMDG | 32-04 |
| | | UN Number | 1805 | MFAG | |
| | | EMS | | III | |
| | | Packing Group | | Phosphoric acid, solution | |
| | | Proper shipping name | | Marine pollutant | |

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14.3	Air transport	ICAO / IATA-DGR	8
		UN Number	1805
		Proper shipping name	Phosphoric acid, solution
		Subsidiary Risk	N/A
		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

This product does require classification according to the criteria of the EC.

15.1 National regulations

15.2 NFPA Storage

15.3 Further information

16 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.

