



## Safety Data Sheet

### Section 1: Identification

**Product Name: Porcelain Etch**

**Product Use:** Hydrofluoric acid solution used to prepare the tooth or porcelain for cementation or repair

**Manufacturer:** Inter-Med, Inc. / Vista Dental Products

**Address:** 2200 Northwestern Ave., Racine, WI 53404

**Phone:** (877) 418-4782 **Fax:** (262) 636-9760

**24 HR. Emergency Telephone Number CHEMTREC (North America) :** 800-424-9300

**24 HR. Emergency Telephone Number CHEMTREC (International) :** +1 (703) 527-3887

### Section 2: Hazard(s) Identification

**Corrosive**

**Acute & Chronic Hazards:** May cause eye, respiratory and skin irritation. Material is not known to cause significant health problems.

**Signs and Symptoms of Exposure:** High concentrations can cause eye and respiratory irritation. Prolonged skin exposure can cause dryness.

**Primary Routes of Exposure:** Inhalation, skin contact, eye contact.

**Carcinogenicity:** NTP- no, OSHA – no, IARC –no.

### Section 3: Composition/Information on Ingredients

| Chemical Entity (Components) | CAS No.   | Hazard Identification & Risk Phrases |
|------------------------------|-----------|--------------------------------------|
| Hydrofluoric acid            | 7664-39-3 | T, C, R34                            |

**Additional information:** For wording of the listed risk phrases refer to section 16.



### Section 4: First-Aid Measures

|             |   |
|-------------|---|
| Inhalation: | If irritation occurs, take victim to open air. Get medical attention.   |
| Ingestion:  | Drink two glasses of water or milk. Seek medical attention if a substantial amount has been ingested. Do not induce vomiting. |
| Skin:       | Wash with soap and water.   |
| Eye:        | Flush with large quantities of water for 15 minutes. Consult a physician.   |

### Section 5: Fire-Fighting Measures

|                                     |   |
|-------------------------------------|---|
| Extinguishing Media:                | Carbon dioxide, foam or dry chemical.       |
| Flash Point                         | Non-flammable                               |
| Unusual Fire and Explosion Hazards: | Upon combustion, irritating gases may form. |

### Section 6: Accidental Release Measures

|                            |   |
|----------------------------|---|
| Personal Precautions:      | Prevent skin/eye contact.                     |
| Environmental Precautions: | Avoid ground water contamination              |
| Clean Up Procedure:        | Wipe with damp paper towel. Discard properly. |

### Section 7: Handling and Storage

|           |  |
|-----------|--|
| Handling: | No special measures necessary if handled according to instructions. Avoid contact with skin and eyes.  |
| Storage:  | <i>Packing materials recommended:</i> polyethylene bottles.<br><i>Not suitable:</i> glass bottles.<br>Keep containers tightly closed when not in use. Keep material in original packaging. Avoid extreme heat and light. |

### Section 8: Exposure Controls/Personal Protection

|                    |  |
|--------------------|--|
| Exposure Controls: | Use only in well ventilated areas.   |
| Hygiene Measures:  | Remove spilled material from skin and clothing. Do not eat or drink when handling this material. |
| Eye Protection:    | Use protective eyewear.  |



Skin and Hand Protection: Avoid unnecessary skin contact. Wear latex gloves when handling.

## Section 9: Physical and Chemical Properties

|                                |                             |
|--------------------------------|-----------------------------|
| Appearance                     | Viscous light yellow liquid |
| Odor                           | Odorless                    |
| Vapor Density (Air = 1)        | N/A                         |
| Boiling Point                  | N/E                         |
| Evaporation Rate               | N/A                         |
| Solubility in Water            | Hardly soluble              |
| Solubility in Organic Solvents | Insoluble                   |

## Section 10: Stability and Reactivity

|                      |  |
|----------------------|--|
| Stability:           | This material is stable.                 |
| Conditions to Avoid: | Heat.                                    |
| Hazardous Reactions: | None if handled according to directions. |

## Section 11: Toxicological Information

|                      |  |
|----------------------|--|
| Acute Oral Toxicity: | LD <sub>50</sub> (rat) > 5000 mg/kg  |
| Irritation to Eyes:  | Irritates the eyes.  |
| Irritation of Skin:  | May irritate the skin.   |
| Allergic Effects:    | May cause allergic reaction on contact with skin.  |
| Other:               | If swallowed, may cause sore throat and burns of the mouth and throat. Prolonged exposure may cause burns to the respiratory tract, contact with soft tissues may cause burns. |

## Section 12: Ecological Information

There is no specific information on the product. Use according to good working practices, avoiding release of the product into environment. Dispose to an authorized waste collection point.

## Section 13: Disposal Considerations

May be disposed of in landfill or incinerator In accordance with local, state and federal regulations.

To minimize exposure, refer to section 8 (exposure controls/personal protection).



## Section 14: Transport Information

### 14.1 Transport at land:

**ADR:** 8

**RID:** 8

**UN Number:** 1790

**Kemler Number:** ---

**Packing Group:** II

**Proper shipping name:** Corrosive Material

### 14.2 Transport at sea:

**ADNR:** 8

**IMDG:** 31-02

**UN Number:** 1790

**EMS:** F-E, S-B MFAG 700

**Packing Group:** II

**Proper shipping name:** Corrosive Material

### 14.3 Air transport

**ICAO / IATA-DGR:** Class 8

**UN Number:** 1790

**Proper shipping name:** Corrosive Material

**Subsidiary Risk:** ---

**Labels:** Corrosive

**Packing Group:** II

U.S. DOT Shipping Name: Corrosive Material

U.S. DOT Hazard Class: 8

Number: UN1790

U.S. Dot Packing Group: II

Other: Corrosive.

## Section 15: Regulatory Information

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

|                       |           |
|-----------------------|-----------|
| UN Number:            | 1790      |
| National Regulations: |           |
| EU Number:            | 231-634-8 |



## Hazard Symbols



## Hazard Designation

C, T,  
C: Corrosive. Contains hydrofluoric acid, solution in water. T:  
Toxic

## Risk Phrases

**R: 34**  
34 Causes burns.

## Safety Phrases:

**S: 1/2, 26, 37/39, 45**  
1/2 Keep locked out and out of the reach of children.  
26 In case of contact with eyes, rinse immediately with  
plenty of water and seek medical advice.  
37/39 Wear suitable gloves and eye/face protection.  
45 In case of accident or if you feel unwell, seek medical  
advise immediately (show the label where possible).

U.S. – O.S.H.A. Status: This material is C: Corrosive under the criteria of the U.S. Federal Hazard Communication Standard.

## Section 16: Other Information

These data are based on our present knowledge. However, they shall not constitute a guarantee for any specific product features and shall establish a legally valid contractual relationship.

### Relevant R-phrases

34 Causes burns.  
C: Corrosive  
T: Toxic

Material should be maintained in original containers. Empty containers should not be re-used.

### AN SI / NFPA 704 DATA

Fire = 0  
Health = 1  
Reactivity = 1



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