



## MATERIAL SAFETY DATA SHEET

**Product: Porcelain Etch**

Product Code: DL1511

### 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

**Product Name:** Porcelain Etch

**Recommended use:** Rapidly, chemically etches porcelain and ceramic restorations to facilitate bonding procedures and improve bond adhesion.

Contact Information Organisation	Location	Telephone
Dentalife Australia Pty Ltd	Factory 9 / 505 Maroondah Highway Ringwood VIC 3134 Australia	+61 3 9879 1226

Poisons Information Centre (24 hour, 7 days a week) in an emergency : 13 11 26

### 2. HAZARD IDENTIFICATION

**2.1 Classification:** Hazardous Material

**2.2 Signal Word:** Warning



**2.3 Label Elements: Pictograms**

**2.4 Hazard Statement:** H301 Toxic if swallowed  
H314 Causes severe skin burns and eye damage.  
H335 May cause respiratory irritation.

**2.5 Precautionary Statements:** P102 Keep out of reach of children  
P264 Wash skin thoroughly after handling.  
P271 Use only outdoors or in a well-ventilated area.  
P280 Wear protective gloves/ protective clothing/ eye protection/ face protection

**2.6 Response Statements** P301 + P330 + P331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.  
P303 + P361 + P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.  
P304 + P340 + P310 IF INHALED: Remove person to fresh air and keep comfortable for breathing. Immediately call a POISON CENTER/doctor.  
P305 + P351 + P338 + P310 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER/doctor.



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### 3. COMPOSITION/INFORMATION ON INGREDIENTS

<u>Composition</u>	<u>CAS No.</u>	<u>Proportion %</u>
Hydrofluoric Acid	7664-39-3	9-10%
Balance Ingredients (non-hazardous)	-	>5%
Water	7732-18-5	to 100%

### 4. FIRST AID MEASURES

#### 4.1 Description of Necessary First Aid Measures

- Ingestion:** Immediately rinse mouth thoroughly with water and give plenty of water to drink provided subject is completely conscious. Do NOT induce vomiting. Seek immediate medical assistance without delay.
- Eye:** Immediately flush eyes thoroughly with water. Continue flushing eye for at least 15 minutes, including under lids, to remove all particles. Seek immediate medical assistance without delay.
- Skin:** Wash affected areas with copious quantities of water immediately to remove all Remove contaminated clothing, soak in water, then launder before re-use. Seek medical attention if signs or symptoms such as redness, swelling, blistering or irritation develop or persist.
- Inhalation:** If fumes are inhaled, remove to fresh air. Seek medical attention if symptoms persist.

#### 4.2 Medical Attention and Special Treatment

- First Aid Facilities:** Eye wash stations and safety showers should be readily available .
- Comments:** Treat according to person's condition and specifics of exposure.
- Advice to Doctor:** Consult Poisons Information Centre Ph : 13 11 26. Ensure skin is thoroughly irrigated to remove all traces of product and thus avoid any possible reaction with locally applied medication.

### 5. FIRE FIGHTING MEASURES

- 5.1 Suitable extinguishing media:** There is no restriction on the type of extinguisher which may be used.
- 5.2 Unusual fire and explosion hazards:** Heat may cause evolution of corrosive fumes
- 5.3 Special protective equipment:** Wear self-contained breathing apparatus and protective gear to minimise risk of exposure to vapour or products of combustion.



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### 6. ACCIDENTAL RELEASE MEASURES

- 6.1 Personal precautions:** Protective gloves and safety glasses should be worn..
- 6.2 Environmental precautions:** Prevent from entering into drains, native or natural environments, ie river systems
- 6.3 Methods and materials for containment and cleaning up:** Clean up spills immediately. Wear suitable protective clothing. Remove spills using plenty of water and a soft sponge or towel. Remove immediately to avoid staining or damaging surfaces. Material can be disposed according to local regulation

### 7. HANDLING AND STORAGE

- 7.1 Precautions for Safe Handling:**  
Ensure cap for syringe is replaced and tightly closed immediately after use.
- 7.2 Conditions for Safe Storage, Including Any Incompatibilities:**  
Store in a cool place at temperatures below 25°C

### 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

- 8.1 National Exposure Standards:** No exposure limits allocated.
- 8.2 Biological Limit Values:** No biological limit allocated.
- 8.3 Engineering Controls:** Adequate general and local ventilation is required.
- 8.4 Personal Protective Equipment:** Plastic not rubber Gloves. Safety Glasses, goggles or face shield.

### 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance .....: Gel  
Colour .....: Yellow  
Odour.....: No distinct odor  
pH of Gel.....: < 2  
Vapour Pressure .....: N/A  
Boiling Point (°C) .....: N/A  
Melting point (°C) .....: N/A  
Solubility in Water (g/L) ...: Very Soluble  
Specific Gravity .....: 1.1 g/mL @ 20°C  
Flammability Limits (%) ...: None  
**Other Properties.....:** Highly reactive acid gel, corrosive to metals, porcelain and glass



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### 10. STABILITY AND REACTIVITY

- 10.1 **Reactivity:** Non Flammable gel
- 10.2 **Chemical Stability:** Stable when kept cool and dry
- 10.3 **Conditions To Avoid:** Stable under normal use conditions.
- 10.4 **Incompatible Materials and Possible Hazardous Reactions:** Corrosive to metals, porcelain and glass
- 10.5 **Hazardous Decomposition Products:** On contact with metals. On heating to decomposition, could yield toxic fumes of fluorides. Attacks glass and other silicon containing compounds.
- 10.6 **Hazardous Polymerisation:** Will not occur.

### 11. TOXICOLOGICAL INFORMATION

11.1 **Likely Route of Exposure:** [X] Inhalation [X] Skin contact [X] Ingestion

11.2 **Health Effects From Likely Route of Exposure:**

**Acute**

**Ingestion:** Toxic if swallowed

**Eye:** Causes Severe Burns

**Skin:** Corrosive.

**Inhalation:** Toxic by ingestion

**Chronic**

**Ingestion:** Toxic if swallowed

**Skin:** May cause severe burns, and toxic through absorption

**Inhalation:** May cause extreme irritation of the respiratory tract.

**Mutagenicity** No evidence of mutagenic effects.

### 12. ECOLOGICAL INFORMATION

12.1 **Ecotoxicity:** This material is expected to be slightly toxic to aquatic life.

12.2 **Persistence and Degradability:** No data available.

12.3 **Bioaccumulation Potential:** No information available

12.4 **Mobility in Soil:** If the pH > 6.5, the soil can bind fluorides tightly. High calcium content will immobilize fluorides, which can be damaging to plants when present in acid soils.

12.5 **Other Adverse Effects:** No recognized unusual toxicity to plants or animals.



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### 13. DISPOSAL CONSIDERATIONS

**13.1 Disposal Method:** Dispose of in accordance with all local, state and federal regulations. All empty packaging should be disposed of in accordance with Local, State, and Federal Regulations or recycled/reconditioned at an approved facility.

**13.2 Disposal of Contaminated Packaging:** Recycle /reconditioned at an approved facility..

**13.3 Environmental Regulations:** Not relevant.

### 14. TRANSPORT INFORMATION

U.N. Number : 1790

Hazchem Code : 2[X]E.

CAS Number : None

Dangerous Goods Class : 8

Subsidiary Risk : None

Pack. Group: II



### 15. REGULATORY INFORMATION

**15.1 SUSDP Poisons Schedule:** S7

**15.2 Prohibition / Licensing Requirements:** N/A

**15.3 Industrial Chemicals (Notification and Assessment) Act 1989:** Listed in the Australian Inventory of Chemical Substances (AICS)

### 16. OTHER INFORMATION

Product is considered safe if used as intended.

Product is intended for professional dental use only.

**This MSDS summarises our best knowledge of the health and safety hazard information of the product and how to safely handle and use the product in the workplace. No warranty, either expressed or implied, is made with respect to the information or the product to which the information refers. Each user must review this MSDS in the context of how the product will be handled and used in the workplace.**

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