



MATERIAL SAFETY DATA SHEET

Product : *DL PORCELAIN ETCH Gel*

Product Code : DL1511 - 2x2.5mL Syringe Kit

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Name: DL Porcelain Etch Gel

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
Chemcall 24 Hour Emergency Number (Australia)		1800 127 406

2. HAZARD IDENTIFICATION

Product is corrosive and may cause destruction of tissue or burns when comes in contact.

Risk phrases – **35:** Causes severe burns
26: Very toxic by inhalation
27: Very toxic in contact with skin
28: Very toxic if swallowed

Safety phrases – **1/2:** Keep locked up and out of reach of children.
24/25: Avoid contact with skin and eyes.
26 In case of contact with eyes, rinse immediately with plenty of water and contact a doctor or Poisons Information Centre.
28 After contact with skin, wash immediately with plenty of water.

3. COMPOSITION/INFORMATION ON INGREDIENTS



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<u>Composition</u>	<u>CAS No.</u>	<u>Proportion (% w/v)</u>
Purified water	7732-18-5	> 85%
Hydrofluoric acid	7664-39-3	9.6%
Balance Ingredient (non-hazardous)	-	<5.4%

4. FIRST AID MEASURES

Description of necessary measures according to routes of exposure.

- Swallowed: Wash mouth out thoroughly with cold water. **DO NOT INDUCE VOMITING.** Give plenty of water to drink and include effervescent calcium gluconate tablets. If not available, use milk. Seek medical attention immediately.
- Eye (Contact): Immediately flush the contaminated eye(s) with lukewarm, gently flowing water for 20 minutes, by clock, holding the eyelid(s) open. Take care not to rinse contaminated water into the non-affected eye. Continue irrigation with normal saline or water until the severe pain of the burn is relieved. Seek medical attention.
- Skin (Contact): Treat site as chemical burn. Immediately, flush contaminated area with lukewarm, gently running water for 2 minutes. Under running water remove any contaminated clothing and wash thoroughly before re-use. Apply a 2.5% calcium gluconate gel to the affected area and leave on the skin until 15 minutes after the pain has subsided. If no gel is available, continue washing using soap and water. Unless contact has been slight, seek medical advice immediately.
- Inhaled: Remove from exposure or source of contamination or move victim to fresh air. In severe cases, or if exposure or reaction has been great, seek medical advice immediately.
- First Aid Facilities: Availability of 2.5% calcium gluconate gel and effervescent calcium gluconate tablets. Plastic gloves (not rubber) should be used when handling this material. Eye wash facilities and safety shower should be provided in the work place.

5. FIRE FIGHTING MEASURES

Extinguishing Media



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There is no restriction on the type of extinguisher which may be used.

Fire/Explosion Hazard

Unusual Fire and Explosion Hazards: Heat may cause evolution of corrosive fumes.

Special protective equipment: Wear approved respirator and protective gear. Use water spray to cool containers.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions: Do not get into eyes, on skin or clothing

Environmental precautions: Prevent large spillage from entering waterways, drains or sewage system.

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

Handling: Ensure cap for syringe is replaced and tightly closed immediately after use.

Storage: Stored in a cool place at temperatures below 25°C.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Respiratory protection: Not required under normal conditions of use.
Hand protection: Rubber, latex or PVC gloves.
Eye protection: Safety glasses, goggles or face shield.
General safety and hygiene measures: Follow good housekeeping practices and good industrial hygiene in handling this material.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Yellow coloured gel with little or no odour

Boiling Point (°C): Not applicable



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Melting point (°C): Not applicable

Vapour Pressure: Not available

Specific Gravity: ~ 1.1 g/mL

Flammability Limits (%) ...: Not available

pH of Gel: < 2

Solubility in Water (g/L) ...: Complete

Other Properties: Highly reactive acid gel. Corrosive to metals, porcelain and glass.

10. STABILITY AND REACTIVITY

Stability: Stable under normal conditions.

Condition to avoid: Avoid excessive heat.

Hazardous decomposition products: No data available.

Hazardous reactivity (polymerization): Does not occur.

11. TOXICOLOGICAL INFORMATION

CORROSIVE

Acute

Ingestion : Cause burns to soft tissues of the digestive tract

Eye : Causes severe burns.

Skin : Causes severe burns and toxic through absorption.

Inhaled : Toxic by ingestion.

Chronic : No further data

12. ECOLOGICAL INFORMATION

Self Assessment: Slightly hazardous for water. Do not allow large quantities to reach sewage System and waterways



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13. DISPOSAL CONSIDERATIONS

Disposal 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.

14. TRANSPORT INFORMATION

U.N. Number :	UN1790	Dangerous Goods Class :	8
Hazchem Code :	2[X]E	Subsidiary Risk :	6.1
CAS Number :	7664-39-3	Pack. Group. :	II

This product is not considered to be a dangerous good within the meaning of transportation regulations.

15. REGULATORY INFORMATION

Poisons Schedule: Not applicable

16. OTHER INFORMATION

Product is considered safe if used as intended.

Product is intended for Healthcare Use only.

Literature References No data available.

Sources for Data No data available.

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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Next Review : May 2015