

1. IDENTIFICATION OF SUBSTANCES / PREPARATION AND COMPANY

Product Name: Schottlander Silica-Free Etchant Gel
Product Code: 711

Application: Dental etching including teeth

Company: Davis Schottlander & Davis Ltd
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2. HAZARD IDENTIFICATION

Hazard Classification: Corrosive

Hazard Symbol: Danger

**Hazard statements:**

H314 Causes severe skin burns and eye damage
H290 May be corrosive to metal

Precautionary statements:

P280 Wear protective gloves/eye protection
P302 & P352 If on skin wash with plenty of water
P305+352+338 If in eyes wash with plenty of water. Seek medical advice.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Hazardous Ingredients	CAS No.
Phosphoric acid	7664-38-2
Pigment	32041-30-0

4. FIRST AID MEASURES

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

5. FIRE FIGHTING MEASURES

Flash point: Non-flammable.

Extinguishing Media: Carbon dioxide, foam or dry chemical.
Unusual Fire and Explosion Hazards: Upon combustion, irritating gases may form.

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.

7. HANDLING AND STORAGE

Handling: No special measures necessary if handled according to instructions.
Storage: Keep container tightly closed when not in use. Store at room temperature. Keep material in original packaging. Avoid unnecessary exposure to the product. At high temperature toxic fumes of phosphoric acid and phosphorous oxides can be generated.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure Controls: Use only in well ventilated areas.
Eye Protection: Use protective eyewear.
Hand and Skin Protection: Avoid unnecessary skin contact. Wear latex gloves when handling.
Hygiene Measures: Remove spilled material from skin and clothing. Do not eat or drink when handling this material.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Blue semi-gel
Odour: Odourless
Boiling Point/Range: >100°C/212°F
Evaporation Rate (water=1): N/A
Vapour Density (air=1): N/A
Solubility in Water: Miscible

10. STABILITY AND REACTIVITY

Stability: This material is stable.
Hazardous Reactions: None if handled according to directions.
Conditions to Avoid: Heat.
Incompatibility: Strong caustics, metals, sulphides and sulphites.

11. TOXICOLOGY INFORMATION

Acute oral toxicity: LD50 (rat) >5000mg/kg
Irritation to Eyes: Irritates the eyes.
Irritation to 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.

12. ECOLOGICAL INFORMATION

There is no specific information on the product. Use according to good working practices, avoiding release of the product into the environment.

13. DISPOSAL CONSIDERATIONS

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

14. TRANSPORT INFORMATION

Transport at land

ADR	8	RID	8
UN Number	1805		-
Packaging Group	III		
Proper shipping name	Phosphoric acid, Liquid		

Transport at sea

ADNR	8	IMDG	31-02
UN Number	1805		
EMS	F-E, S-B	MFAG	700
Packaging Group	III		
Proper shipping name	Phosphoric acid, Liquid		

Air transport

ICAO/IATA-DGR	Class 8
UN Number	1805
Proper shipping name	Phosphoric acid, Solution
Subsidiary Risk	---
Labels	Corrosive
Packing Group	III

U.S. DOT Shipping Name:	Not regulated
U.S. DOT Hazard Class:	None U.N/N.A.
Number:	None
U.S.DOT Packaging Group:	None
Other:	Not considered hazardous cargo

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.

15.1 UN Number: 1805

15.2 National

Regulations:

15.3 EU Number: 231-633-2

15.4 Hazard Designation: C: Corrosive. Contains Phosphoric acid, solution in water.

16. FURTHER INFORMATION

AN SI / NFPA 704 DATA

Fire = 0

Health = 1

Reactivity = 0

The data given above covers exclusively the safety requirements of the product(s) and is based on our current knowledge and experience. It does not signify any warranty with regards to the products properties. This product is only supplied for specific uses in dentistry and must be used in accordance with the directions for use.