

**SAFETY DATA SHEET:**  
**Q- ETCH UF****1. Chemical Product and Company Identification**Product Name: **Q-Etch UF**,*A silica-free gel consisting of 37% phosphoric acid for etching tooth enamel and dentin for surface preparation.*Restrictions on use: For use by dental professionals only.Manufacturer: **B.J.M. Laboratories Ltd.**

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Website: www.bjmlabs.com, Email: [info@bjmlabs.com](mailto:info@bjmlabs.com).EU Representative: **OBELIS S.A.**

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Website: [www.obelis.net](http://www.obelis.net), Email: [Regulatory@obelis.net](mailto:Regulatory@obelis.net)**2. Hazards Identification** Corrosive Acute Health Hazards: May cause eye, respiratory and skin irritation.Chronic Health Hazards: 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.**3. Composition / Information on Ingredients**

Hazardous Ingredients	% by Wt.*	CAS#*	Hazard Identification & Risk Phrases
Phosphoric acid	37%	7664-38-2	H314
Non-Hazardous Ingredients			
Water	<60%	7732-18-5	N/A
Thickening agent	<10%	Proprietary	N/A
Pigment	<0.1%	61-73-4	N/A

\* The specific chemical identity and/or exact percentage (concentration) of this composition has been withheld as a trade secret.

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

**4. First Aid Measures in Cause of Inhalation**Inhalation: If irritation occurs, take victim to open air. seek 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 temperatures 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

Odor: Odorless

Boiling Point/ Range: >100°C/ 212°F

Evaporation Rate (water = 1): N/A

Vapor 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, sulfides and sulfites.

## 11. Toxicological Information

Acute oral toxicity: LD50 (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.

## 12. Ecological Information

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

## 13. Disposal Considerations

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

## 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, liquid		
14.2 Transport at sea	ADNR	8	IMDG	31-02
	UN Number	1805		
	EMS	F-E, S-B	MFAG	700
	Packing Group	III		
14.3 Air transport	Proper shipping name	Phosphoric acid, liquid		
	ICAO / IATA-DGR	Klasse 8		
	UN Number	1805		
	Proper shipping name	Phosphoric acid, solution		
	Subsidiary Risk	---		
	Labels	Corrosive		
	Packing Group	III		

U.S. DOT Shipping Name: Phosphoric acid, liquid

U.S. DOT Hazard Class: 8

Number: UN1805

U.S. Dot Packing Group: III


Other: Corrosive.

## 15. Regulatory Information

This product requires classification according to the criteria of EC. The product is a medical device according to the Council Directive 93/42/EEC and EU Regulation 2017/745 for Medical Devices.

15.1 UN Number 1805

15.2 National

regulations	
15.3 EU number	231-633-2
15.4 Hazard symbols	
15.5 Hazard designation	<b>C</b> C: Corrosive. Contains Phosphoric acid, solution in water.
15.6 Risk phrases	<b>H: 314</b> 314 Causes burns.
15.7 Safety phrases	<b>S: 405+102, 305 + 351 + 338, 280, 312</b> 405+102 Keep locked out and out of the reach of children. 305 + 351 + 338 In case of contact with eyes, rinse immediately with plenty of water and seek medical advise. 280 Wear suitable gloves and eye/face protection. 312 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.

## 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 H-phrases

314 Causes burns.

C: Corrosive

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

### ANSI/NFPA 704 DATA

Fire = 0

Health = 1

Reactivity = 0

## Revision 5.1 EU acc. to ISO 11014, REACH

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This information is based on data considered accurate. However, no warranty is expressed or implied regarding the accuracy of these data, or the results to be obtained from use thereof. In no event will the manufacturer or distributor be responsible for

damages of any nature whatsoever resulting from the use of, or reliance upon this information. General properties described herein are to be regarded as guides and are not guaranteed for all samples.

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