

Material Safety Data Sheet

according to Regulation (EC) No 1907/2006

Revision:02

Revision Date: 22.08.2024

Print Date : 01.02.2013



SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

ETCHING GEL – Etching Agent

Details of the supplier of the safety data sheet

Company Name: President Dental GmbH

Street: Kesselbodenstrasse 5

Zip-Code / Town/ Country: 85391 , Allershausen, Germany

Contact for technical information: +49 (0) 230 39228772

Phone / Fax / E-Mail: +49 (0) 8166 389 9 820 / +49 (0) 8166 389 9 821 / info@presidentdental.com

1.2. Emergency Telephone Number

+49 (0) 8166 389 9 820 (8.00 am – 4.30 pm Mon-Fri)

SECTION 2: Hazards identification

Etching Gel 37%: Irritant; Irritating to eyes and skin, Corrosive; Cause burns.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

Chemical characterization

Ingredient	Concentration Range (%)	CAS Number	Symbol/Risk Classification	OSHA PEL (mg/m ³)	ACGIH (mg/m ³)	LD50 (mg/kg, rat/oral)
ALL-ETCH: Phosphoric Acid.	>10.	7664-38-2.	Xi; 36/38.	1	1	1530.
UNI-ETCH: Phosphoric Acid.	>25.	7664-38-2.	C; R34.	1	1	1530.
ETCH-37: Phosphoric Acid..	>25.	7664-38-2..	C; R34..	1	1	1530.
Benzalkonium Chloride (BAC)* *only for those marked withBAC	< 1.	8001-54-5.	Xi; R36/38.	N/D.	N/D.	240.

SECTION 4: First aid measures

Inhalation	Provide fresh air and rest. Get medical attention.
Skin Contact	Wash with soap and water.
Eye Contact	Flush with running water for at least 15 minutes while keeping eye lids open; seek medical attention.

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Ingestion	Drink two glasses of water or milk. Seek medical attention if a substantial amount has been ingested. Do not induce vomiting.
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SECTION 5: Fire Fighting Measures

Fire-fighting Media	Dry chemical powder, foam or carbon dioxide.
Fire and explosion risks	Upon combustion, irritating gases may form.

SECTION 6: Accidental release measures

Personal Precautions	Prevent skin/eye contact.
Environmental precautions	Avoid ground water contamination.
Methods for cleaning up/taking up	Wipe with damp paper towel. Discard properly.

SECTION 7: Handling and storage

Storage Use according to directions for use. Store at room temperature in the original container provided by the manufacturer. Avoid skin contact. At high temperatures toxic fumes of phosphoric acid and phosphorous oxides can be generated.

SECTION 8: Exposure controls/personal protection

Eye Protection:	Use protective eyewear.
Hand Protection:	Use protective gloves.
Respiratory Protection:	Avoid prolonged breathing of vapors.
Skin Protection:	Use any measures to avoid skin contact.

SECTION 9: Physical and chemical properties

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Appearance:	Semi-gel
Colour:	w/BAC: Blue, w/o BAC: Green
Odour:	Odorless
Solubility in Water	Miscible
Boiling point/Range:	>100C/212F
Melting Point/Range:	<0C/32F
Flash point:	N/A
Conductivity	N/A
Explosive Properties:	N/A
Oxidizing Properties:	N/A
Vapor Pressure at 20C/68F	N/A
Miscibility:	N/A
Vapour density:	N/A
pH	<1
Evaporation Rate	N/A
Viscosity	N/A
Partition Coefficient	N/A
Auto flammability	N/A
Flammability	N/A
Relative Density	N/A

SECTION 10: Stability and reactivity

Stable. Avoid high temperatures. Incompatible with strong caustics, metals, sulfides and sulfites.

SECTION 11: Toxicological information

Eye Contact:	Cause burns.
Skin Contact:	Cause burns.
Sensitization:	May cause allergic reaction on contact with the 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 tissue 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.

SECTION 13: Disposal considerations

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Refer to any Community provisions relating to waste. In their absence, refer to National or Regional provisions relating to waste.

SECTION 14: Transport information

No special precautions.

SECTION 15: Regulatory information

Classification :	Xi Irritant, C Corrosive, R34 Causes burns, R36 Irritating to eyes, R38 Irritating to skin.
Safety :	S1/2 Keep locked up and out of the reach of children. S26 In case of contact with eyes rinse immediately with water and seek medical advice. S45 In case of accident or if you feel unwell seek medical advice immediately (show label where possible).

SECTION 16: Other information

This MSDS is taken from raw material MSDS and manufacturer's knowledge and experience. It is intended to describe our products from the point of view of safety requirements and is not intended to guarantee any particular properties.