

1. Product and company identification Product name /names: Etching Gel, tg bluegel, tg greengel Manufacturer : Technical & General Ltd 2 Albion Place London W6 0QT United Kingdom Tel: 020 8834 7575 Fax: 020 8834 7570 www.dentistmarket.com www.tgdent.com
2. Composition / Information on ingredients common chemical name / Generic name: Etching gel based on Orthophosphoric Acid
3. Hazards identification None if handled according to directions. Corrosive, Causes burns
4. First aid measurers. Eye contact: Flush eyes with plenty of water (10-15 mins). Call a physician. Skin contact: Wash immediately with soap and water. Ingestion: Drink two glasses of water or milk. Inhalation : Move into fresh air. If you feel unwell, seek medical advice.
5. Fire - fighting measurers. Not Flammable Suitable extinguishing media: Dry Chemical powder, foam, carbon dioxide. Extinguishing media to avoid: Do not use direct water stream, wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes. Further information: Irritating gases may form upon combustion
6. Accidental Release Measures : Personal precautions: Wear suitable protective clothing. Prevent skin/eye contact. Environmental precautions: Avoid pollution of water and sewage Cleaning up methods: Take up mechanically with inner fluid material. Neutralise (eg. With lime water)
7. Handling and Storage : Handling: Keep container tightly closed. Wear suitable gloves. Avoid contact with skin and eyes. Storage: Keep away from high temperatures. Keep container tightly closed.

8. Exposure Controls and Personal Protection.

Ventilation :	Ventilated areas.
Protective Gloves :	Use suitable latex type gloves when prolonged or repeated contact. Do not rub eyes following use of wipes, and use protective eyewear.
Other protection :	Use any necessary hygiene measures to avoid skin contact.

9. Physical and Chemical Properties.

Appearance :	Blue or Green Gel/Liquid
Odour/taste	None / Acidic
PH-Value:	ca.1
Boiling temperature:	>100 °C (Water)
Flashpoint:	N/A
Ignition temperature:	N/A
Explosion properties:	N/A
Vapour pressure	ca. 20 mbar/23 °C
Relative vapour density:	<1
Solubility in water:	Miscible
Density:	ca. 1.4 g/cm ³

10. Stability & Reactivity.

Stability :	Stable. Avoid heat, sparks & flames.
Materials to avoid :	Acids, oxidising agents, alkali metals, alkali earth metals.

11. Toxicological Information :

Health Warning :	
Skin:	Prolonged contact may result in dermatitis.
Eyes:	Vapours may irritate eyes. May cause burns
Sensitisation:	No sensitisation effects known.

12. Ecological Information :

Do not discharge into drains or the environment.

13 Disposal Considerations :

Disposal Methods :	Incinerate in suitable combustion chamber or dispose to an authorised waste collection point or use proper landfill disposal.
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14. Transport Information :

Road / Rail :	No special precautions
Hazard Class (ADR)	Class 3 : C Corrosive
Sea :	No special precautions
Class :	3
Air :	No special precautions
Class :	8
UN No:	1805

15. Regulatory Information :

Labelling according intl. Regulations:	C, Corrosive Contains phosphoric acid.
Symbols of danger:	Drop symbol
R-Phrases:	34 Causes burns
S-Phrases:	26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

Note: This information is believed to be correct as of the date of this MSDS. The manufacturer makes no representation as to the completeness or accuracy of this information and supplies it on the condition that the person receiving it will make their own determination as to its suitability for their purposes prior to use. In no event will the manufacturer be responsible for damages of any nature whatsoever resulting from the use of or reliance upon the information contained herein.