

Material Safety Data Sheet

Issued: 12/21/2006

Revision Number: 4

1. Identification of Substance/Preparation and Company/Undertaking

Product Name: Liquid Etchant (Liquid Etchant-green)

Manufacturer: Reliance Orthodontic Products, Inc., PO Box 678, Itasca, IL 60143
Emergency Telephone: 630-773-4009 Fax: 630-250-7704

Authorized Representative: Emergo Europe, Molenstraat 15, 2513 BH The Hague, The Netherlands
Telephone: +31-70-345-8570 · Fax: +31-70-346-7299

CE Administrator: Amtac Certification Services Ltd., Davey Avenue, Knowlhill, Milton Keynes,
MK5 8NL, United Kingdom

2. Composition/Information on Ingredients

Ingredient	Concentration Range (%)	CAS Number	Symbol/Risk Classification	OSHA PEL (mg/m ³)	ACGIH (mg/m ³)	LD50 (mg/kg, rat/oral)
Phosphoric Acid	37	7664-38-2	C, R34	3	3	4400

N/A = not applicable, N/D = not
determined, N/L = not listed

3. Hazards Identification

Irritates the eyes, May cause allergic reaction on skin

4. First-aid Measures

Inhalation: Provide fresh air and rest.

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.

Ingestion: Drink two glasses of water or milk. Seek medical attention if a substantial amount has
been ingested.

5. Fire-fighting Measures

Fire-fighting media: Dry chemical powder, foam or carbon dioxide.

Fire and explosion risks: Upon combustion, irritating gases may form.

6. Accidental Release Measures

Personal Precautions: Prevent skin/eye contact, Provide ventilation.

Environmental Precautions: Avoid ground water contamination.

Methods for Cleaning Up: Wipe with damp paper towels, Discard properly.

7. Handling and Storage

Avoid high light intensity >10000 lux, this product is used exclusively for dental purposes by trained
personnel

8. Exposure Controls/Personal Protection

Eye Protection: Use protective eyewear.

Hand Protection: Use protective gloves.

Respiratory Protection: Avoid prolonged breathing of vapors of uncured material.

Skin Protection: Use any necessary hygiene measures.

9. Physical / Chemical Properties

Appearance	Semi-Gel Liquid	Vapor Pressure @ 20C/68F	<0.02
Color	Green	Miscibility	N/A
Odor	N/A	Vapor Density	>1
Solubility (H2O, fat)	Miscible	pH	<1
Boiling Point / Range	>100C	Evaporation Rate	N/A
Melting Point / Range	N/A	Viscosity	N/A
Flash Point	N/A	Partition Coefficient	N/A
Conductivity	N/A	Autoflammability	N/A
Explosive Properties	N/A	Flammability	N/A
Oxidizing Properties	N/A	Relative Density	N/A

10. Stability and Reactivity

Avoid high temperatures.

11. Toxicological Information

Eye Contact:	Irritates the eyes.
Skin Contact:	May irritate the skin.
Sensitization:	May cause allergic reaction on contact with the skin.
Other:	N/A.

12. Ecological Information

N/A

13. Disposal Considerations

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

14. Transport Information

No special precautions.

15. Regulatory Information

Classification:	Xi Irritant, R36 Irritating to eyes., R38 Irritating to skin.
Safety:	Refer to any applicable National laws.

16. Other Information

Revision Date: 12/21/2006	Replaces MSDS dated: 10/05/06
Revision Number: 4	Product: Liquid Etchant (Liquid Etchant-green)

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.