

Material Safety Data Sheet

Issued: 5/08/2012

Revision Number: 5

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

Emergency: CHEMTREK – 24 hour Hazmat Emergency Communications Center
US – 800-424-9300 Outside of the US: 1-703-527-3887, collect calls accepted

2. Composition/Information on Ingredients

Ingredient	Concentration Range (%)	CAS Number	Symbol/Risk Classificaton	OSHA PEL (mg/m3)	ACGIH (mg/m3)	LD50 (mg/kg, rat/oral)
Phosphoric Acid	>30	7664-38-2	C, R34	1	1	1530

3. Hazards Identification

Corrosive; causes burns.

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.

Environmental Precautions: Avoid ground water contamination.

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

7. Handling and Storage

Use according to directions for use. Store at room temperature (22Degrees C/72 Degrees F) in the original container provided by the manufacturer. Avoid skin contact. At high temperature, toxic fumes of phosphoric acid and phosphorous oxides can be generated.

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 to avoid skin contact.

9. Physical / Chemical Properties

Appearance	Green Liquid	Vapor Pressure @ 20C/68F	<0.02mm
Color	Green	Miscibility	N/A
Odor	N/A	Vapor Density	N/A
Solubility (H2O, fat)	Miscible in water	pH	<1
Boiling Point / Range	>100C / 212 Degrees F	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	>1

10. Stability and Reactivity

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

11. Toxicological Information

Eye Contact:	Causes burns.
Skin Contact:	Causes 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 of the respiratory tract. Contact with soft tissue 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

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:	C Corrosive, R34 Causes burns
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 were possible). Refer to any applicable National laws.

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.