

SAFETY DATA SHEET

Date Prepared : 06/12/2013
MSDS No : BS1003B
Date Revised : 11/03/2015
Revision No : 5

Resilience®Liquid Etch

1. PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: Resilience®Liquid Etch
PRODUCT DESCRIPTION: 6903M7C7
PRODUCT CODE: 506107; 503204
CHEMICAL FAMILY: Phosphoric Acid
GENERIC NAME: Phosphoric Acid

MANUFACTURER

Ortho Technology, Inc.
17401 Commerce Park Boulevard
Tampa, FL 33647
Emergency Phone: 1-800-999-3161
E-Mail: ljohnson@orthotechnology.com

COMMENTS: This product may be a component of the Following Item Numbers: FC-RESI-047, FC-RESI-048 and FC-RESI-049

2. HAZARDS IDENTIFICATION

GHS LABEL

Irritating to skin



Exclamation
mark

SIGNAL WORD: WARNING

HAZARD STATEMENTS

H314: Causes severe skin burns and eye damage.
H302 + H332: Harmful if swallowed or if inhaled.

EMERGENCY OVERVIEW

PHYSICAL APPEARANCE: Green-colored Liquid

POTENTIAL HEALTH EFFECTS

EYES: Mild to severe irritant

SKIN: Mild to severe irritant

INGESTION: Slightly toxic

INHALATION: Severe irritant

3. COMPOSITION / INFORMATION ON INGREDIENTS

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Chemical Name	Vol. %	CAS
Phosphoric Acid - 37%	~ 37	7664-38-2
Polyvinyl alcohol	0	25213-24-5

4. FIRST AID MEASURES

EYES: Flush with copious amounts of water for at least 15 minutes. Seek medical attention.

SKIN: Wash with soap and water for at least 15 minutes.

INGESTION: Do not induce vomiting. Wash out mouth with water, keep at rest.

INHALATION: Remove person to fresh air.

5. FIRE FIGHTING MEASURES

EXTINGUISHING MEDIA: Material is not flammable.

EXPLOSION HAZARDS: None Reported

FIRE FIGHTING PROCEDURES: None required

FIRE FIGHTING EQUIPMENT: Wear full protective clothing, including helmet, self-contained, positive pressure or pressure demand breathing apparatus.

HAZARDOUS DECOMPOSITION PRODUCTS: Emits toxic fumes of oxides of phosphorus.

6. ACCIDENTAL RELEASE MEASURES

ENVIRONMENTAL PRECAUTIONS

WATER SPILL: May cause adverse environmental impact if material reaches waterways

GENERAL PROCEDURES: Cover with sodium carbonate and calcium hydroxide. Collect material. Place in an approved metal container.

SPECIAL PROTECTIVE EQUIPMENT: Glove and eye protection suggested

7. HANDLING AND STORAGE

HANDLING: To be handled by qualified dental professionals. Follow instructions for use.

STORAGE: Store at or below room temperature. Avoid moisture in unpolymerized state. Do not expose to any light.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

PERSONAL PROTECTIVE EQUIPMENT

EYES AND FACE: Safety glasses or splash goggles

SKIN: Lab coat and gloves

RESPIRATORY: Respiratory protection is recommended when using large amounts

PROTECTIVE CLOTHING: Lab Coat.

9. PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE: Liquid

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ODOR: No Obvious Odor.
APPEARANCE: Viscous liquid
COLOR: Green
FLASHPOINT AND METHOD: Non Flammable
AUTOIGNITION TEMPERATURE: No data
BOILING POINT: No data
MELTING POINT: No Data
SOLUBILITY IN WATER: Soluble
SPECIFIC GRAVITY: 1.3

10. STABILITY AND REACTIVITY

HAZARDOUS POLYMERIZATION: Will not occur.
STABILITY: Stable.
CONDITIONS TO AVOID: Avoid dehydration, Keep container closed.
POSSIBILITY OF HAZARDOUS REACTIONS: None reported
HAZARDOUS DECOMPOSITION PRODUCTS: At flame temperatures, material will emit toxic phosphorus oxide fumes
INCOMPATIBLE MATERIALS: Reactive metals and bases are materials to be avoided.

11. TOXICOLOGICAL INFORMATION

ACUTE
ORAL LD₅₀: 1530 mg/kg (for 85% phosphoric acid)
EYE EFFECTS: Irritation to the eyes can occur
SKIN EFFECTS: Irritation to the skin can occur

12. ECOLOGICAL INFORMATION

ENVIRONMENTAL DATA: May cause adverse environmental impact if material reaches waterways

13. DISPOSAL CONSIDERATIONS

DISPOSAL METHOD: Dispose of waste at an appropriate waste disposal facility according to current applicable laws and regulations

14. TRANSPORT INFORMATION

DOT (DEPARTMENT OF TRANSPORTATION)
PROPER SHIPPING NAME: Phosphoric Acid Solution
PRIMARY HAZARD CLASS/DIVISION: 8
UN/NA NUMBER: UN1805
PACKING GROUP: III
LABEL: Corrosive Material

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OTHER SHIPPING INFORMATION: Corrosive Material

AIR (ICAO/IATA)

SHIPPING NAME: Phosphoric Acid Solution

UN/NA NUMBER: UN1805

PACKING GROUP: III

SPECIAL PROVISIONS: A3, A803

LABEL: Corrosive Material

VESSEL (IMO/IMDG)

SHIPPING NAME: Phosphoric Acid Solution

UN/NA NUMBER: UN1805

PACKING GROUP: III

LABEL: Corrosive Material

15. REGULATORY INFORMATION

UNITED STATES

DOT LABEL SYMBOL AND HAZARD CLASSIFICATION



Corrosive

CANADA

WHMIS HAZARD SYMBOL AND CLASSIFICATION



Corrosive

16. OTHER INFORMATION

REASON FOR ISSUE: New MSDS Format

APPROVED BY: J. Hutchins **TITLE:** QA/RA Director

PREPARED BY: T. Swan **Date Revised:** 11/03/2015

INFORMATION CONTACT: 1-800-999-3161

REVISION SUMMARY: This MSDS replaces the 03/19/2014 MSDS. Revised: **Section 1:** REASON FOR ISSUE. **Section 2:** . **Section 3:** Wt. %.

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