

SAFETY DATA SHEET

according to Regulation (EC) No. 453/2010

Date Issued : 06/12/2013
 SDS No : BS1003B
 Date Revised : 11/03/2015
 Revision No : 5

Resilience®Liquid Etch

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

1.1. Product identifier

Product code : 506107; 503204
Product name : Resilience®Liquid Etch
Product description : 6903M7C7
Generic name : Phosphoric Acid
Chemical family : Phosphoric Acid

1.2. Relevant identified uses of the substance or mixture and uses advised against

1.3. Details of the supplier of the safety data sheet

Manufacturer

Ortho Technology, Inc.
 17401 Commerce Park Boulevard
 Tampa, FL 33647

Emergency Phone : 1-800-999-3161
E-Mail : ljohnson@orthotechnology.com

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

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Directive 1999/45/EC

Danger symbols : C

2.2. Label elements

Irritating to skin


Classification according to Directive 1999/45/EC

Hazard pictogram(s) : C



Corrosive

Classification according to Regulation (EC) No 1272/2008 [CLP]

Hazard pictogram(s) : 

Exclamation mark

Hazard statement(s) : H314: Causes severe skin burns and eye damage.
 H302 + H332: Harmful if swallowed or if inhaled.

2.3. Other hazards

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SECTION 3: Composition / information on ingredients

3.1. Substances

Not Applicable

3.2. Mixtures

Chemical Name	CAS	EINECS No.	Vol. %	Classification according to Directive 67/548/EEC
Phosphoric Acid - 37%	7664-38-2	231-633-2	~ 37	R22; R34; S24; S25; S26; S28; S36; S39; S46
Polyvinyl alcohol	25213-24-5	Not Applicable	0	Not classified

For full text of H-statements and R-phrases: see SECTION 16.

SECTION 4: First aid measures

4.1. Description of first aid measures

- Following eyes** : Flush with copious amounts of water for at least 15 minutes. Seek medical attention.
- Following skin** : Wash with soap and water for at least 15 minutes.
- Following ingestion** : Do not induce vomiting. Wash out mouth with water, keep at rest.
- Following inhalation** : Remove person to fresh air.

4.2. Most important symptoms and effects, both acute and delayed

4.3. Indication of any immediate medical attention and special treatment needed

SECTION 5: Fire fighting measures

5.1. Extinguishing media

- Extinguishing media** : Material is not flammable.

5.2. Special hazards arising from the substance or mixture

- Explosion hazards** : None Reported

5.3. Advice for firefighters

- Fire fighting procedures** : None required
- Fire fighting equipment** : Wear full protective clothing, including helmet, self-contained, positive pressure or pressure demand breathing apparatus.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

- General procedures** : Cover with sodium carbonate and calcium hydroxide. Collect material.

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Place in an approved metal container.

Special protective equipment : Glove and eye protection suggested

6.2. Environmental precautions

Water spill : May cause adverse environmental impact if material reaches waterways

6.3. Methods and material for containment and cleaning up

6.4. Reference to other sections

SECTION 7: Handling and storage

7.1. Precautions for safe handling

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.

7.2. Conditions for safe storage, including any incompatibilities

7.3. Specific end use(s)

SECTION 8: Exposure controls / personal protection

8.1. Control parameters

8.2. Exposure controls

Eye/face protection : Safety glasses or splash goggles

Skin protection : Lab coat and gloves

Respiratory protection : Respiratory protection is recommended when using large amounts

Protective clothing : Lab Coat.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state : Liquid
Appearance : Viscous liquid
Colour : Green
Odour : No Obvious Odor.
Melting temperature : No Data
Boiling temperature : No data
Flash point : Non Flammable
Specific gravity : 1.3
Solubility in water : Soluble
Auto-ignition temperature : No data

9.2. Other information

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SECTION 10: Stability and reactivity

10.1. Reactivity

10.2. Chemical stability

Chemical stability : Stable.

10.3. Possibility of hazardous reactions

Possibility of hazardous reactions : None reported

Hazardous polymerization : Will not occur.

10.4. Conditions to avoid

Conditions to avoid : Avoid dehydration, Keep container closed.

10.5. Incompatible materials

Incompatible materials : Reactive metals and bases are materials to be avoided.

10.6. Hazardous decomposition products

Hazardous decomposition products : At flame temperatures, material will emit toxic phosphorus oxide fumes

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute

Oral LD₅₀ : 1530 mg/kg (for 85% phosphoric acid)

SECTION 12: Ecological information

12.1. Toxicity

12.2. Persistence and degradability

12.3. Bioaccumulative potential

12.4. Mobility in soil

12.5. Results of PBT and vPvB assessment

12.6. Other adverse effects

Environmental data : May cause adverse environmental impact if material reaches waterways

SECTION 13: Disposal considerations

13.1. Waste treatment methods

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

SECTION 14: Transport information

14.1. UN number

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14.2. UN proper shipping name

14.3. Transport hazard class(es)

14.4. Packing group

14.5. Environmental hazards

14.6. Special precautions for user

IATA - air : A3, A803

14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

15.2. Chemical safety assessment

SECTION 16: Other information

Relevant R-phrases and/or H-statements (number and full text) : R22: Harmful if swallowed.
 R34: Causes burns.
 S24: Avoid contact with skin.
 S25: Avoid contact with eyes.
 S26: In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
 S28: After contact with skin, wash immediately with plenty of water and soap.
 S36: Wear suitable protective clothing.
 S39: Wear eye/face protection.
 S46: If swallowed, seek medical advice immediately and show this container or label.

Reason for issue : New MSDS Format

Approved by : J. Hutchins **Title** :QA/RA Director

Prepared by : T. Swan

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.%.

Manufacturer disclaimer : To the best of our knowledge, the information contained herein is accurate. However, neither the above named supplier nor any of its subsidiaries assumes any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.