

SAFETY DATA SHEET

according to Regulation (EC) No. 453/2010

Date Issued : 12/18/2008
 SDS No : BS1003A
 Date Revised : 11/03/2015
 Revision No : 11

Resilience® Gel Etchant

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

1.1. Product identifier

Product code : 501009;503202;506101;506102;506104;506106
Product name : Resilience® Gel Etchant
Product description : 6780M6E6
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-006, FC-RESI-007 and FC-RESI-012

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Directive 67/548/EEC

Danger symbols : C

2.2. Label elements

Causes skin and eye irritation.

Classification according to Directive 67/548/EEC

Hazard pictogram(s) : C



Corrosive

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

Hazard pictogram(s) :

Exclamation mark

Hazard statement(s) : H312: Harmful in contact with skin.
 H319: Causes serious eye irritation.
 H301: Toxic if swallowed.

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2.3. Other hazards

SECTION 3: Composition / information on ingredients

3.1. Substances

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

3.2. Mixtures

Not Applicable

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.
Following skin : Wash with soap and water for at least 15 minutes.
Following ingestion : Do not induce vomiting. Drink Copious Amounts of Water.
Following inhalation : Remove from Exposure.

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

- Skin** : Repeated contact with skin may lead to burns and rashes.

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

SECTION 5: Fire fighting measures

5.1. Extinguishing media

- Extinguishing media** : NA = Not Applicable

5.2. Special hazards arising from the substance or mixture

5.3. Advice for firefighters

- Fire fighting procedures** : Use full protective clothing and self contained breathing apparatus.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

- General procedures** : For industrial or professional use only. Please see package insert for additional precautionary warnings.

6.2. Environmental precautions

- Water spill** : May cause adverse environmental impact if material reaches

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waterways

6.3. Methods and material for containment and cleaning up

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

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.

7.2. Conditions for safe storage, including any incompatibilities

Storage temperature : Store at or below room temperature. Keep container dry. Keep container in well-ventilated area.

7.3. Specific end use(s)

SECTION 8: Exposure controls / personal protection

8.1. Control parameters

8.2. Exposure controls

Engineering controls : Ventilation : Local Exhaust is recommended.

Eye/face protection : Safety glasses or splash goggles

Skin protection : Gloves recommended.

Respiratory protection : Respiratory Protection Recommended

Protective clothing : Wear lab coat

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state : Viscous gel

Colour : Green

Odour : Odorless

Melting temperature : ND = No Data/Not Determined

Boiling temperature : ND = No Data/Not Determined

Evaporation rate : (Butyl acetate = 1) ND = No Data/Not Determined

Flammable limits : N/A to N/A

Vapor pressure : ND = No Data/Not Determined

Vapor density : ND = No Data/Not Determined

Specific gravity : (H₂O = 1) 1.3

Solubility in water : Soluble

9.2. Other information

SECTION 10: Stability and reactivity

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10.1. Reactivity

10.2. Chemical stability

Chemical stability : Stable.

10.3. Possibility of hazardous reactions

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.

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 in accordance with Federal, State, and Local Regulations.

SECTION 14: Transport information

14.1. UN number

UN number : UN 1805

14.2. UN proper shipping name

14.3. Transport hazard class(es)

Primary hazard class/division : 8

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Hazard classification : 8

14.4. Packing group

Packing group : III

14.5. Environmental hazards

14.6. Special precautions for user

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 10/29/2015 MSDS.

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.