

SAFETY DATA SHEET

Date Prepared : 12/18/2008
MSDS No : BS1003A
Date Revised : 11/03/2015
Revision No : 11

Resilience® Gel Etchant

1. PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: Resilience® Gel Etchant
PRODUCT DESCRIPTION: 6780M6E6
PRODUCT CODE: 501009;503202;506101;506102;506104;506106
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-006, FC-RESI-007 and FC-RESI-012

2. HAZARDS IDENTIFICATION

GHS LABEL

Causes skin and eye irritation.



Exclamation
mark

SIGNAL WORD: WARNING

HAZARD STATEMENTS

H312: Harmful in contact with skin.
H319: Causes serious eye irritation.
H301: Toxic if swallowed.

EMERGENCY OVERVIEW

PHYSICAL APPEARANCE: Green colored gel

POTENTIAL HEALTH EFFECTS

SKIN: Mild to severe irritant

INGESTION: Slightly toxic

INHALATION: Severe irritant

MEDICAL CONDITIONS AGGRAVATED: Unknown

ROUTES OF ENTRY: Inhalation, Ingestion, and Skin.

3. COMPOSITION / INFORMATION ON INGREDIENTS

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Chemical Name	Vol. %	CAS
Phosphoric Acid - 37%	37	7664-38-2

4. FIRST AID MEASURES

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

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

INGESTION: Do not induce vomiting. Drink Copious Amounts of Water.

INHALATION: Remove from Exposure.

SIGNS AND SYMPTOMS OF OVEREXPOSURE

SKIN: Repeated contact with skin may lead to burns and rashes.

ACUTE EFFECTS: Slightly Toxic When Inhaled or Ingested.

CHRONIC EFFECTS: Slightly Toxic When Repeated Inhalation or Ingestion.

5. FIRE FIGHTING MEASURES

FLAMMABLE CLASS: Material is not flammable.

EXTINGUISHING MEDIA: NA = Not Applicable

FIRE FIGHTING PROCEDURES: Use full protective clothing and self contained breathing apparatus.

HAZARDOUS DECOMPOSITION PRODUCTS: Will emit toxic Phosphorous Oxide fumes.

6. ACCIDENTAL RELEASE MEASURES

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

ENVIRONMENTAL PRECAUTIONS

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

GENERAL PROCEDURES: For industrial or professional use only. Please see package insert for additional precautionary warnings.

7. HANDLING AND STORAGE

HANDLING: To be handled by qualified dental professionals.

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

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

ENGINEERING CONTROLS: Ventilation : Local Exhaust is recommended.

PERSONAL PROTECTIVE EQUIPMENT

EYES AND FACE: Safety glasses or splash goggles

SKIN: Gloves recommended.

RESPIRATORY: Respiratory Protection Recommended

PROTECTIVE CLOTHING: Wear lab coat

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9. PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE: Viscous gel**ODOR:** Odorless**COLOR:** Green**FLAMMABLE LIMITS:** N/A to N/A**VAPOR PRESSURE:** ND = No Data/Not Determined**VAPOR DENSITY:** ND = No Data/Not Determined**BOILING POINT:** ND = No Data/Not Determined**MELTING POINT:** ND = No Data/Not Determined**SOLUBILITY IN WATER:** Soluble**EVAPORATION RATE:** (Butyl acetate = 1) ND = No Data/Not Determined**SPECIFIC GRAVITY:** (H₂O = 1) 1.3

10. STABILITY AND REACTIVITY

HAZARDOUS POLYMERIZATION: Will not occur.**STABILITY:** Stable.**CONDITIONS TO AVOID:** Avoid dehydration, Keep container closed.**HAZARDOUS DECOMPOSITION PRODUCTS:** At flame temperatures, material will emit toxic phosphorus oxide fumes**INCOMPATIBLE MATERIALS:** Reactive Metals and Bases.

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 in accordance with Federal, State, and Local Regulations.

14. TRANSPORT INFORMATION

DOT (DEPARTMENT OF TRANSPORTATION)**PRIMARY HAZARD CLASS/DIVISION:** 8**UN/NA NUMBER:** UN 1805**PACKING GROUP:** III

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OTHER SHIPPING INFORMATION: Corrosive Material

ROAD AND RAIL (ADR/RID)

UN NUMBER: UN 1805

HAZARD CLASS: 8

PACKING GROUP: III

NOTE: Corrosive Material

AIR (ICAO/IATA)

UN/NA NUMBER: UN 1805

PRIMARY HAZARD CLASS/DIVISION: 8

PACKING GROUP: III

NOTE: Corrosive Material

VESSEL (IMO/IMDG)

UN/NA NUMBER: UN 1805

PRIMARY HAZARD CLASS/DIVISION: 8

PACKING GROUP: III

NOTE: Corrosive Material

CANADA TRANSPORT OF DANGEROUS GOODS

UN/NA NUMBER: UN 1805

PRIMARY HAZARD CLASS/DIVISION: 8

PACKING GROUP: III

TDG NOTE: Corrosive Material

15. REGULATORY INFORMATION

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 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.