

SAFETY DATA SHEET

Date Issued: 12/18/2008

MSDS No: BS1003A

Resilience® Gel Etchant

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

PRODUCT NAME: Resilience® Gel Etchant
PRODUCT DESCRIPTION: Green Etchant Gel
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
Product Stewardship: 1-800-999-3161

COMMENTS: This product may be a component of the Following Item Numbers: FC-RESI-006, FC-RESI-007 and FC-RESI-012

2. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name	CAS	EINECS	Classification	Content
Phosphoric Acid - 37%	7664-38-2	231-633-2	R22, R34, S24, S25, S26, S28, S36, S39, S46	37

(Full text of R-Phrases can be found under heading 16)

3. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

PHYSICAL APPEARANCE: Green colored gel

POTENTIAL HEALTH EFFECTS

SKIN: Mild to severe irritant

INGESTION: Slightly toxic

INHALATION: Severe irritant

SIGNS AND SYMPTOMS OF OVEREXPOSURE

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

ACUTE TOXICITY: Slightly Toxic When Inhaled or Ingested.

CHRONIC EFFECTS: Slightly Toxic When Repeated Inhalation or Ingestion.

MEDICAL CONDITIONS AGGRAVATED: Unknown

ROUTES OF ENTRY: Inhalation, Ingestion, and Skin.

4. FIRST AID MEASURES

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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.

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

9. PHYSICAL AND CHEMICAL PROPERTIES

FLAMMABLE LIMITS: N/A to N/A

PHYSICAL STATE: Viscous gel

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ODOR: Odorless

COLOR: Green

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

STABILITY: Stable.

POLYMERIZATION: Will not occur.

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

ROAD AND RAIL (ADR/RID)

UN NUMBER: UN 1805

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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

15. REGULATORY INFORMATION

16. OTHER INFORMATION

RELEVANT R-PHRASES:

- 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: New MSDS

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