

MATERIAL SAFETY DATA SHEET

Date Issued: 06/15/2009

MSDS No: BS1029

Redi-Prep™ Etchant Swabs

1. PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: Redi-Prep™ Etchant Swabs

PRODUCT DESCRIPTION: Liquid etchant filled swabs

PRODUCT CODE: 100012

PRODUCT FORMULATION NAME: Phosphoric acid

CHEMICAL FAMILY: Inorganic Acid

GENERIC NAME: Phosphoric acid; Orthophosphoric acid; o-Phosphoric acid

MANUFACTURER

Orthogap, Inc.
15283 Amberly Drive
Tampa FL 33647

Product Stewardship: (813)784-8402

DISTRIBUTOR

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

Product Stewardship: 1-800-999-3161

24 HR. EMERGENCY TELEPHONE NUMBERS

For Chemical Emergency

Spill Leak or Fire Exposure or Accident

Call CHEMTREC Day or Night

Domestic North America 1-800-424-9300

International, Call +1 703-527-3887 (collect calls accepted)

2. COMPOSITION / INFORMATION ON INGREDIENTS

INGREDIENT(S)	CAS
Phosphoric Acid	7664-38-2

WHMIS CLASS: CLASS E Corrosive Liquid.

3. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

PHYSICAL APPEARANCE: Translucent green liquid

POTENTIAL HEALTH EFFECTS

EYES: Mild to severe irritant

SKIN: Mild to severe irritant

INGESTION: Slightly toxic

INHALATION: Severe irritant

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. If Severe burn, seek medical attention.

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

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INHALATION: Remove from Exposure. Seek fresh air. Seek medical attention.

5. FIRE FIGHTING MEASURES

FLASHPOINT AND METHOD: Non Flammable

AUTOIGNITION TEMPERATURE: NA = Not Applicable

EXTINGUISHING MEDIA: NA = Not Applicable

EXPLOSION HAZARDS: N/A

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

HAZARDOUS DECOMPOSITION PRODUCTS: Thermal decomposition emits toxic fumes of oxides and phosphorus.

6. ACCIDENTAL RELEASE MEASURES

SMALL SPILL: Dilute with copious amounts of water, neutralize with sodium carbonate (soda ash) or sodium bicarbonate (baking soda), rinse or wipe away with copious amounts of water.

LARGE SPILL: Dilute with copious amounts of water, neutralize with sodium carbonate (soda ash) or sodium bicarbonate (baking soda), rinse or wipe away with copious amounts of water.

7. HANDLING AND STORAGE

HANDLING: To be used by a qualified dental professionals in accordance with applicable local, regional, state and federal regulations.

STORAGE: Store in original packaging at or below room temperature.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

PERSONAL PROTECTIVE EQUIPMENT

EYES AND FACE: Wear protective eyewear.

SKIN: Wear protective gloves

RESPIRATORY: Avoid prolonged breathing of vapors.

PROTECTIVE CLOTHING: Wear protective clothing.

OTHER USE PRECAUTIONS: Avoid direct contact.

9. PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE: Liquid

ODOR: None

APPEARANCE: Translucent green liquid.

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COLOR: Green

BOILING POINT: > 100°C (212°F)

FREEZING POINT: < 0.00°C (32.00°F)

SOLUBILITY IN WATER: Completely soluble

SPECIFIC GRAVITY: 1.3

10. STABILITY AND REACTIVITY

STABILITY: Stable under normal storage conditions in original packaging.

POLYMERIZATION: Will not occur.

CONDITIONS TO AVOID: Dehydration. Store in closed container.

POSSIBILITY OF HAZARDOUS REACTIONS: Reactive metals and chemical bases. Reacts with sodium hypochlorite solutions to produce toxic (chlorine) gas. Avoid contact with these materials.

HAZARDOUS DECOMPOSITION PRODUCTS: At flame temperatures, material will emit toxic fumes (phosphorus oxides).

11. TOXICOLOGICAL INFORMATION

ACUTE

DERMAL LD₅₀: 2740 mg/kg (rabbit)

Notes: For 85% H₃PO₄

ORAL LD₅₀: 1530 mg/l (Rat)

Notes: For 85% H₃PO₄

EYE EFFECTS: Irritant. May cause burns.

SKIN EFFECTS: Irritant. May cause burns.

12. ECOLOGICAL INFORMATION

ENVIRONMENTAL DATA: May cause adverse environmental impact if material reaches waterways in significant quantities.

AQUATIC TOXICITY (ACUTE): TLM (Mosquito Fish):

96-HOUR LC₅₀: 138 mg/L Fresh Water

48-HOUR EC₅₀: 138 mg/L Fresh Water

96-HOUR EC₅₀: 138 mg/L Fresh Water

13. DISPOSAL CONSIDERATIONS

DISPOSAL METHOD: Waste must be disposed of in accordance with the appropriate local, regional, state and federal regulations.

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14. TRANSPORT INFORMATION

DOT (DEPARTMENT OF TRANSPORTATION)

PROPER SHIPPING NAME: Phosphorus Acid Solution**PRIMARY HAZARD CLASS/DIVISION:** 8**UN/NA NUMBER:** UN1805**PACKING GROUP:** III**NAERG:** 154**LABEL:** Corrosive Material**OTHER SHIPPING INFORMATION:** Limited quantity exception as per 49CFR 173.154

AIR (ICAO/IATA)

SHIPPING NAME: Phosphorous Acid Solution**UN/NA NUMBER:** UN1805**PRIMARY HAZARD CLASS/DIVISION:** 8**PACKING GROUP:** III**ERG:** 154**LABEL:** Corrosive Material

15. REGULATORY INFORMATION

UNITED STATES

TSCA (TOXIC SUBSTANCE CONTROL ACT)

TSCA REGULATORY: Phosphoric Acid is not subject to export notification.**TSCA STATUS:** Phosphoric Acid is listed on the TSCA Inventory.**OSHA HAZARD COMM. RULE:** Phosphoric acid is hazardous by definition of the Hazardous Communication Standard.**CLEAN WATER ACT:** Phosphoric acid is listed as a Clean Water Act Section 311 Hazardous Substance.

CANADA

WHMIS CLASS: CLASS E Corrosive Liquid.

16. OTHER INFORMATION

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**MANUFACTURER DISCLAIMER:** While the information contained herein is accurate to the best of our

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