

SAFETY DATA SHEET

Date Issued: 06/15/2009

MSDS No: BS1029

Redi-Prep™ Etchant Swabs

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

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

Chemical Name	CAS	EINECS	Content
Phosphoric Acid	7664-38-2	231-633-2	~ 35 - 40

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

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5. FIRE FIGHTING MEASURES

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

FLASHPOINT AND METHOD: Non Flammable

AUTOIGNITION TEMPERATURE: NA = Not Applicable

PHYSICAL STATE: Liquid

ODOR: None

APPEARANCE: Translucent green liquid.

COLOR: Green

BOILING POINT: > 100°C (212°F)

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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.

14. TRANSPORT INFORMATION

AIR (ICAO/IATA)

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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

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

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