

SAFETY DATA SHEET

Date Prepared : 06/15/2009
MSDS No : BS1029
Date Revised : 10/28/2015
Revision No : 1

Redi-Prep™ Etchant Swabs

1. PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: Redi-Prep™ Etchant Swabs
PRODUCT DESCRIPTION: 7196M9LO
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
Emergency Phone: (813)784-8402

DISTRIBUTOR

Ortho Technology, Inc.
17401 Commerce Park Boulevard
Tampa, FL 33647
Emergency Phone: 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. HAZARDS IDENTIFICATION

GHS LABEL

Causes skin and eye irritation.



Exclamation
mark

Corrosion

SIGNAL WORD: WARNING

HAZARD STATEMENTS

H315 + H320: Causes skin and eye irritation.

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

3. COMPOSITION / INFORMATION ON INGREDIENTS

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Chemical Name	Vol. %	CAS
Phosphoric Acid	~ 35 - 40	7664-38-2

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.

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

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EXPOSURE GUIDELINES

OSHA HAZARDOUS COMPONENTS (29 CFR1910.1200)							
		EXPOSURE LIMITS					
		OSHA PEL		ACGIH TLV		Supplier OEL	
Chemical Name		ppm	mg/m ³	ppm	mg/m ³	ppm	mg/m ³
Phosphoric Acid	TWA	NL ppm ^[1]	1 mg/m ³ ^[1]	NL ppm	1 mg/m ³	NL	NL
	STEL	NL ppm ^[1]	3 mg/m ³ ^[1]	NL ppm	3 mg/m ³	NL	NL
Footnotes: 1. NL = Not Listed							

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.

COLOR: Green

FLASHPOINT AND METHOD: Non Flammable

AUTOIGNITION TEMPERATURE: NA = Not Applicable

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

HAZARDOUS POLYMERIZATION: Will not occur.

STABILITY: Stable under normal storage conditions in original packaging.

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).

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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

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

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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 **Date Revised:** 10/28/2015

INFORMATION CONTACT: 1-800-999-3161

REVISION SUMMARY: This MSDS replaces the 06/24/2009 MSDS. Revised: **Section 1:** REASON FOR ISSUE. **Section 2:** .

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