

SAFETY DATA SHEET

according to Regulation (EC) No. 453/2010

Date Issued : 06/15/2009
SDS No : BS1029
Date Revised : 10/28/2015
Revision No : 1

Redi-Prep™ Etchant Swabs

SECTION 1 : Identification of the substance/preparation and of the company/undertaking

1.1. Product identifier

Product code : 100012
Product name : Redi-Prep™ Etchant Swabs
Product description : 7196M9LO
Product formulation name : Phosphoric acid
Generic name : Phosphoric acid; Orthophosphoric acid; o-Phosphoric acid
Chemical family : Inorganic Acid

1.2. Relevant identified uses of the substance or mixture and uses advised against

1.3. Details of the supplier of the safety data sheet

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

1.4. Emergency telephone number

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)

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Directive 67/548/EEC

2.2. Label elements

Causes skin and eye irritation.

Classification according to Regulation (EC) No 1272/2008 [CLP]

Hazard pictogram(s) :



Exclamation
mark

Hazard statement(s) : H315 + H320: Causes skin and eye irritation.

2.3. Other hazards

SECTION 3: Composition / information on ingredients

3.1. Substances

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Chemical Name	CAS	EINECS No.	Vol. %
Phosphoric Acid	7664-38-2	231-633-2	~ 35 - 40

3.2. Mixtures

Not Applicable

SECTION 4: First aid measures

4.1. Description of first aid measures

- Following eyes** : Flush with copious amounts of water for at least 15 minutes. Seek medical attention.
- Following skin** : Wash with soap and water for at least 15 minutes. If Severe burn, seek medical attention.
- Following ingestion** : Do not induce vomiting. Drink Copious Amounts of Water. Seek Medical Attention.
- Following inhalation** : Remove from Exposure. Seek fresh air. Seek medical attention.

4.2. Most important symptoms and effects, both acute and delayed

4.3. Indication of any immediate medical attention and special treatment needed

SECTION 5: Fire fighting measures

5.1. Extinguishing media

Extinguishing media : NA = Not Applicable

5.2. Special hazards arising from the substance or mixture

Explosion hazards : N/A

5.3. Advice for firefighters

Fire fighting equipment : Use full protective clothing and self contained breathing apparatus.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.2. Environmental precautions

6.3. Methods and material for containment and cleaning up

- 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.

6.4. Reference to other sections

SECTION 7: Handling and storage

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7.1. Precautions for safe handling

- 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.

7.2. Conditions for safe storage, including any incompatibilities

7.3. Specific end use(s)

SECTION 8: Exposure controls / personal protection

8.1. Control parameters

8.2. Exposure controls

- Eye/face protection** : Wear protective eyewear.
- Skin protection** : Wear protective gloves
- Respiratory protection** : Avoid prolonged breathing of vapors.
- Protective clothing** : Wear protective clothing.
- Other precautions** : Avoid direct contact.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

- Physical state** : Liquid
- Appearance** : Translucent green liquid.
- Colour** : Green
- Odour** : None
- Freezing temperature** : < 0.00°C (32.00°F)
- Boiling temperature** : > 100°C (212°F)
- Flash point** : Non Flammable
- Specific gravity** : 1.3
- Solubility in water** : Completely soluble
- Auto-ignition temperature** : NA = Not Applicable

9.2. Other information

SECTION 10: Stability and reactivity

10.1. Reactivity

10.2. Chemical stability

- Chemical stability** : Stable under normal storage conditions in original packaging.

10.3. Possibility of hazardous reactions

- 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 polymerization** : Will not occur.

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10.4. Conditions to avoid

Conditions to avoid : Dehydration. Store in closed container.

10.5. Incompatible materials

10.6. Hazardous decomposition products

Hazardous decomposition products : At flame temperatures, material will emit toxic fumes (phosphorus oxides).

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute

Dermal LD₅₀ : 2740 mg/kg (rabbit)

Notes : For 85% H₃PO₄

Oral LD₅₀ : 1530 mg/l (Rat)

Notes : For 85% H₃PO₄

SECTION 12: Ecological information

12.1. Toxicity

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

12.2. Persistence and degradability

12.3. Bioaccumulative potential

12.4. Mobility in soil

12.5. Results of PBT and vPvB assessment

12.6. Other adverse effects

Environmental data : May cause adverse environmental impact if material reaches waterways in significant quantities.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

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

SECTION 14: Transport information

14.1. UN number

14.2. UN proper shipping name

14.3. Transport hazard class(es)

Primary hazard class/division : 8

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14.4. Packing group

14.5. Environmental hazards

14.6. Special precautions for user

14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

15.2. Chemical safety assessment

SECTION 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	: This MSDS replaces the 06/24/2009 MSDS. Revised: Section 1: REASON FOR ISSUE. Section 2: .
Manufacturer disclaimer	: While the information contained herein is accurate to the best of our knowledge, Ortho Technology ,akes no representation or warranty with respect thereto. Final determination as to the suitability of any material is sole responsibility of the user. In no event will Orth Technology be liable for any damages of any nature whatsoever resulting from the use of/or reliance on the information contained herein.