

**Material Safety Data Sheet  
may be used to comply with  
OSHA's Hazard Communication Standard  
29 CFR 1910.1200. Standard must be  
consulted for specific requirements.**

**U.S. Department of Labor  
Occupational Safety and Health Administration  
(Non-Mandatory Form)**

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Identify (As used on Label and List)  
**Prime-Dent® Citric Acid 10% Gel**

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**SECTION I – PRODUCT AND COMPANY IDENTIFICATION**

Prime Dental Manufacturing, Inc.  
4555 West Addison Street  
Chicago, IL 60641

Phone (773) 283-2914  
Fax (773) 283-3085  
Revised: May 15, 2011

Intended Use: Dental etchant  
Limitations on Use: For use only by dental professionals.

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**SECTION II - INGREDIENTS**

**INGREDIENTS:**

Distilled Water	83.10%
Citric Acid	10%
Methylene Blue	0.10%
Fumed Silica	6.80%

**Toxicological Data:** Based on studies done on similar products as this product is well established in the market.

Toxicological Test: No Data Available  
Acute Toxicity: No Data Available  
Specific Symptoms in animal test: Minimal Irritation  
Irritation level: Minimal  
Sensitization: Minimal  
Effects of repeated exposure: None  
Other Observations: None

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**SECTION III – HAZARDS IDENTIFICATION**

- Emergency Overview  
Physical form, Odor, Color, and Grade: Gel, characteristic order, white or blue, and viscous.
- Environmental and Physical Hazards  
None.
- Health Hazards  
Overexposure may cause eye irritation, allergic reactions, dry skin, dyspepsia, vertigo and nausea.

This document has been prepared in accordance with the US OSHA Hazard Communication Standard, which requires the inclusion of all known hazards of the product or its ingredients regardless of the potential risk. The risk of the hazards communicated in this document may vary depending upon the potential for exposure.

- Potential Health Effects
  - Skin, Effects of Overexposure: May cause irritation
  - Skin, First Aid Procedures: Wash with soap and water. If irritation persists, get medical attention.
  - Eyes, Effects of Overexposure: May cause irritation. Flush promptly with large amount of water for 15 minutes and get

medical attention.

Inhalation, Effects of Overexposure: A very large amount of uncured material can cause Dyspepsia, Nausea, Vertigo.

Ingestion, First Aid Procedures: Consult a physician promptly.

-Carcinogenicity: No information Available.

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#### **SECTION IV – FIRST AID MEASURES:**

Inhalation -	If overexposure occurs and symptoms appear, consult a physician.
Ingestion -	If substantial quantities are involved, or in case of noticeable discomfort, drink large quantities of water and consult physician immediately.
Skin Contact -	Flush with water; consult physician in case of lasting noticeable skin response.
Eye Contact -	Flush immediately with copious amounts of water, consult a physician if irritation or disturbance in vision occur.

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#### **SECTION V – FIRE FIGHTING MEASURES**

-Extinguishing Agents: Foam, carbon dioxide or dry material.

-Protective Equipment: Wear self-contained respiratory protective device and a fully protective suit.

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#### **SECTION VI – ACCIDENTAL RELEASE MEASURES**

In case of material spill or release, absorb with inert materials such as dry sand and place in closed container for disposal as solid waste. If large quantities are involved, check State and Local regulations.

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#### **SECTION VII – HANDLING AND STORAGE**

HANDLING PRECAUTIONS: Keep materials capped all the time after use.

SAFE STORAGE CONDITIONS: Avoid storage at elevated temperatures. Store at room temperature (68-72° F) and out of direct light.

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#### **SECTION VIII – EXPOSURE CONTROLS AND PERSONAL PROTECTION**

Respiratory Protection: Face mask recommended for prolonged exposure.

Eye Protection: OSHA approved goggles.

Protective Gloves: Yes.

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#### **SECTION IX – PHYSICAL AND CHEMICAL PROPERTIES**

Appearance:	Form- gel Color- white or blue Odor- Characteristic
Melting Point:	N/A
Boiling Point:	> 35C
Flash Point:	> 121C
Auto Ignition Temperature:	N/A
Danger of Explosion:	Unlikely
Density:	Low 0.97g/cm <sup>3</sup>
Vapor Pressure:	N/A
Viscosity:	Low
pH:	N/A
Soluble in Water:	YES

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#### **SECTION X – STABILITY AND REACTIVITY**

Stability: Stable

Materials and Conditions to Avoid: Heat

Hazardous Polymerization: Carbon monoxide, carbon dioxide and irritant vapors or gases.

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#### **SECTION XI – TOXICOLOGICAL INFORMATION**

**Toxicological Data:** Based on studies done on similar products as this product is well established in the market.

Toxicological Test: No Data Available

Acute Toxicity: No Data Available

Specific Symptoms in animal test: Minimal Irritation

Irritation level: Minimal

Sensitization: Minimal

Effects of repeated exposure: None

Other Observations: None

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#### **SECTION XII – ECOLOGICAL INFORMATION**

None Available.

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#### **SECTION XIII – DISPOSAL CONSIDERATIONS**

Dispose in accordance with Federal, State, and local regulations.

EPA Hazardous Waste Number (RCRA): Non-Hazardous

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#### **SECTION XIV – TRANSPORT INFORMATION**

Not classified as dangerous goods according to IATA and DOT Regulations.

Transport by sea: Not classified as dangerous goods.

Transport Protective Service: PROTECTIVE SERVICE NOT REQUIRED

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#### **SECTION XV – REGULATORY INFORMATION**

Contact Prime Dental for more information regarding regulatory information.

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#### **SECTION XVI – OTHER INFORMATION**

The information and recommendations set forth herein are presented in good faith and believed to be correct as of the date hereof. Prime Dental Manufacturing, Inc. however, makes no representations as to the completeness or accuracy of this information and supplies it on the condition that the persons receiving same will make their own determination as to its suitability for their purposes prior to use. In no event will Prime Dental be responsible for damages of any nature whatsoever resulting from the use of or reliance upon information.

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