

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)

**Product Name: Prime-Dent® Zinc Phosphate Cement**

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**SECTION I**

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

Phone (773) 283-2914  
Fax (773) 283-3085  
Revised: July 10, 2010

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**SECTION II - Hazardous Ingredients/Identify Information**

HAZARDOUS COMPONENTS (SPECIFIC CHEMICAL IDENTITY: COMMON NAME (S)):

Phosphate	CAS# 98059-61-1
Zinc Oxide	CAS# 1314-13-2
Magnesium Oxide	CAS# 1309-48-4

TLV: Not Available

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**SECTION III - Physical/Chemical Characteristics**

APPEARANCE: White Powder and clear liquid.

ODOR: Faint Resin Odor.

MELTING POINT: N/A

SOLUBILITY: Negligible

VAPOR DENSITY: N/A

SPECIFIC GRAVITY: N/A

BOILING POINT: N/A

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**SECTION IV - Fire and Explosion Hazard Data**

FLASH POINT: N/A

AUTOIGNITION TEMPERATURE: N/A

EXTINGUISHING MEDIA: Foam, carbon dioxide or dry material.

SPECIAL INFORMATION: None

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**SECTION V - Reactivity Data**

STABILITY: Stable

HAZARDOUS DECOMPOSITION PRODUCTS: Carbon Monoxide and Dioxide, low molecular weight Hydrocarbons and organic acids.

HAZARDOUS POLYMERIZATION: May Occur

INCOMPATIBILITIES: Strong acid, Peroxides and other oxidizing agents.

CONDITIONS TO AVOID: High Temperature, prolonged storage above 35°C, direct sunlight, and high intensity light.

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#### **SECTION VI - Health Hazard Information**

CARCINOGENICITY: None Known

SIGNS OR SYMPTOMS OF EXPOSURE: Irritation, Dyspepsia, Nausea, and Vertigo.

#### **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 VII - Precautions for Safe Handling and Use**

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

SAFE STORAGE CONDITIONS: Avoid storage at storage at elevated temperatures.

OTHER RESTRICTIONS OR RECOMMENDATIONS: 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 VIII - Control measures**

VENTILATION SYSTEM: Not required

SKIN AND EYE PROTECTION: Not required if handled with caution.

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Storage: Store at room temperature.

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