



## MATERIAL SAFETY DATA SHEET

### SECTION I - Product/ Company Identification

Product Trade Name: *Vista-Cal*  
Manufacturer Name: Inter-Med, Inc.  
Address: 2200 Northwestern Ave  
City State Zip: Racine, WI 53404 U.S.A.  
Emergency Telephone Number: (800) 424-9300 / (703) 527-3887 (Chemtrec)  
Information Telephone Number: (877) 418-4782 / (262) 636-9755  
Date Revised: 3-Jun-11

### SECTION II - Hazardous Ingredients/Identity Information

Hazardous Components:	Concentration	CAS NO.	Hazard Code	Risk code
Calcium Hydroxide	35 - 50 %	[001305-62-0]	Xi	R36/38
Barium Sulfate	5 - 20 %	[7727-43-7]		

### SECTION III - Hazards Identification

Emergency Overview: Calcium Hydroxide Pulp Capping Paste is white paste that can cause irritation to eyes, skin, gastrointestinal tracts.

Ingestion: Harmful if swallowed. Can cause severe irritation and burning of gastro-intestinal tract. Ingestion may be followed by severe pain, vomiting, diarrhea, and collapse. Narrowing of the esophagus may occur, making swallowing difficult

Skin: Corrosive. Prolonged and repeated contact can cause severe irritation or burning of skin, and blistering, depending on duration of contact

Eyes: Contact can cause severe irritation or burning of eyes, including permanent damage.

Potential environ- This product is alkaline and if released into water or soil will cause an increase in the pH mental effects:

### SECTION IV - First Aid Measures

Skin: Wipe off excess material from skin then flush exposed area with large amounts of water. Remove contaminated clothing and shoes. Wash clothing before reuse. Seek medical attention immediately.

Ingestion: Wash out mouth. Do not induce vomiting. Give large quantities of water. Call a physician immediately.

Eyes: Immediately flush eyes with gentle stream of water for at least 15 minutes, lifting lower and upper eyelids occasionally. Call a physician.

### SECTION V - Fire-fighting Measures.

This product is not considered to be a fire hazard or an explosion hazard.

Suitable extinguishing Media: Use any means suitable for extinguishing surrounding fire.

Special Exposure Hazards: None

Unusual fire and explosion hazards: Not considered to be an explosion hazard.

Special Protection Equipment: In the event of fire, wear full protective clothing and NIOSH-approved self-contained breathing apparatus with full face piece operated in the positive pressure mode.

### SECTION VI - Accidental release measures

Personal Precautions: Ventilate area of spill. Keep unnecessary people away from area of spill.  
 Environmental Precautions: Do not flush caustic residues to the sewer. Residues from spill can be diluted with water, neutralized with dilute acid before disposal.  
 Methods for Cleaning up: Pick up spill and place in a suitable container for disposal.

### SECTION VII - Handling and Storage

Handling: Keep in tightly closed container. Protect against physical damage.  
 Storage: Store in a cool, dry, ventilated area.. Isolate from incompatible substances, such as acids and oxidizing agents.  
 Containers: Keep in original containers  
 Incompatibilities: Acids and oxidizing agents.  
 Other Precautions: Observe all warnings and precautions listed for the product.

### SECTION VIII - Exposure Controls / Personal Protection.

Airborne Exposure Limits:

	Total Dust	OSHA-PEL Respirable fraction	ACGIH-TLV TLV
Calcium hydroxide (powder)	15 mg/ m <sup>3</sup>	5 mg/ m <sup>3</sup>	5 mg/ m <sup>3</sup>
Barium Sulfate (powder)		15 mg/ m <sup>3</sup>	10 mg/ m <sup>3</sup>

NOTE: The exposure limits given above are for the individual components in their original powder form. In the final product these components are in the paste form and are not normally airborne.

General Protective Measures:

General ventilation: Normal ventilation  
 Respiratory protection: None required in normal use of the product.  
 Hands Protection: Wear impervious gloves.  
 Eye Protection: Use chemical safety goggles. Both the user (dentist) and patient must have eye protection.  
 Skin Protection: Wear impervious protective clothing, lab coat, apron or coveralls.  
 Other Equipment: None

### SECTION IX - Physical and Chemical Properties.

Appearance: White paste  
 Odor Odorless  
 Vapor Pressure No information found  
 Boiling Point: No information found  
 Explosion Limits: Not an explosion hazard  
 Flash Point Not a fire hazard  
 Water solubility: Slightly soluble  
 Specific Gravity No information found  
 Evaporation Rate: No information found

### SECTION X - Stability and Reactivity.

Stability: Stable under normal use and storage.  
 Conditions to avoid: Heat will dry up the paste.  
 Materials to avoid: Incompatible with acids  
 Hazardous Decomposition Products: When heated to decomposition caustic calcium oxide and sulfur oxide forms.  
 10 mg/ m<sup>3</sup>  
 OSHA-PEL ACGIH-TLV  
 TLV

5 mg/ ms

Hazardous Polymerization Products: Polymerization will not occur

### **SECTION XI - Toxicological Information.**

Ingestion: May be harmful if swallowed

Eye contact: May cause eye irritation

Skin Contact: May cause irritation

Inhalation: Not an inhalation hazard in the paste form. When dried and powdered may cause irritation to the respiratory tract.

Prolonged exposure: To the best of our knowledge the physical, chemical and toxicological properties have not been thoroughly investigated

### **SECTION XII - Ecological Information.**

No data available

### **SECTION XIII - Disposal Considerations.**

Dispose in a landfill site approved for chemical and hazardous wastes

Dispose of container and unused contents in accordance with federal, state and local requirements

### **SECTION XIV - Transport Information.**

DOT: Not regulated

Proper Shipping Name: None

Non-Hazardous for Transport: This substance is considered to be non-hazardous for transport

SEA TRANSPORTATION Not regulated

AIR TRANSPORTATION Not regulated

IATA: Not regulated

GROUND TRANSPORTATION: Not regulated

### **SECTION XV - Regulatory Information**

CLASSIFICATION IN ACCORDANCE WITH EEC DIRECTIVES.

Hazard Classification Symbol:   Xi Irritant  
  C Corrosive

Risk Statement R36/38               Irritating to eyes and skin

Safety Statement S36/39            Wear suitable protective clothing and eye/face protection

### **SECTION XVI - Other Information**

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