

MATERIAL SAFETY DATA SHEET

(5) 14

HMIS Code



MANUFACTURER

COLUMBUS DENTAL
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HEALTH	1
FIRE	0
REACTIVITY	0
PERS. PROT.	

SECTION 1 - IDENTITY

Common Name: (used on label) **Lab Plaster**
(Trade Name & Synonyms)

Product Code **48482**

Chemical Name **Dental Plasters**

Chemical Family **Gypsum (Calcium Sulfate)**

Formula **Ca SO₄**

CAS No. **10101-41-4**

SECTION 2 - HAZARDOUS INGREDIENTS

Hazardous Components (chemical & common names)

Hazard

FLV
(units)

None

SECTION 3 - PHYSICAL & CHEMICAL CHARACTERISTICS (Fire & Explosion Data)

Boiling Point **Not required**

Specific Gravity (H₂O = 1) **2.3**

Vapor Pressure (mm Hg) **None**

Percent Volatile by Volume (%) **None**

Vapor Density (Air = 1) **None**

Evaporation Rate (= 1) **None**

Solubility
Water **Slight**

Reactivity in
Water/Air **Material sets to form a solid**

Appearance and Odor **Fine Powder in a wide variety of colors**

Flash Point **None**

Flammable Limits Lower IN Air % by Volume **None**

Upper

Auto-Ignition Temperature **None**

Extinguisher Media **Water, CO₂ Dry Chemical Foam**

Special Fire Fighting Procedures **None**

Unusual Fire and Explosion Hazards **None**

SECTION 4 - PHYSICAL HAZARDS

Stability Unstable ☒ Stable ☐ Conditions to Avoid

When material contacts moisture it will set.

Incompatibility (Materials to Avoid) **None**

Hazardous Decomposition Products **None**

Hazardous Polymerization May Occur ☐ Will Not Occur ☒ Conditions to Avoid

SECTION 5 - HEALTH HAZARDS

A Permissible Exposure Limit	None	ACGIH Threshold Limit Value	50 mppcf	Other Exposure Limit Used	None
Signs and Symptoms of Exposure	None	1. Acute Overexposure	None		
2. Chronic Overexposure		Prolonged exposure may cause lung disease.			
Medical Conditions Generally Aggravated by Exposure	All respiratory diseases.				
Primary Route(s) of Exposure	Inhalation of Dust				
Emergency and First Aid Procedures	Remove individual to an area of fresh air				
Hygienic Practices	Wear a mask while exposed to dusts.				
Chemical Listed As Carcinogen or Potential Carcinogen	Not listed				

SECTION 6 - SPECIAL PROTECTION INFORMATION

Respiratory Protection	Any approved respirator for nuisance dust (3M #8710 Respirator)		
Ventilation	None	Work Practices	None
Protective Gloves	None	Eye Protection	Take precaution to avoid nuisance dust.
Other Protective Clothing or Equipment	None		

SECTION 7 - SPECIAL PRECAUTIONS AND SPILL/LEAK PROCEDURES

Precautions to be Taken in Handling and Storage	Avoid contact with moisture. Keep in sealed container.		
Steps to be Taken in Case Material is Released or Spilled	Sweep spills, Avoid excessive dusting		
Waste Disposal Methods	Any approved solid waste disposal method		

SECTION 8 - ADDITIONAL INFORMATION

None			
Signature of Person Responsible for Preparation	<i>John S. Mordick</i>	Date Prepared	June 8, 1987
Telephone No.	314-241-2988	Date Revised	Nov. 4, 1987

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