

MATERIAL SAFETY DATA SHEET

(3)

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) (Trade Name & Synonyms)	Lab Plaster	Product Code	48482
Chemical Name	Dental Plasters	Chemical Family	Gypsum (Calcium Sulfate)
Formula	Ca SO ₄	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 (H ₂ O = 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 IN Air % by Volume	Lower None	Upper	Auto-Ignition Temperature	None
Extinguisher Media	Water, CO ₂	Dry Chemical Foam				

Special Fire Fighting Procedures None

Unusual Fire and Explosion Hazards None

SECTION 4 - PHYSICAL HAZARDS

Stability	Unstable <input checked="" type="checkbox"/>	Conditions to Avoid	When material contacts moisture it will set.
Incompatibility (Materials to Avoid)	None		

Hazardous Decomposition Products	None	
Chlorination	May Occur <input type="checkbox"/>	Conditions to Avoid

Polymerization Will Not Occur

SECTION 5 - HEALTH HAZARDS

A Permissible sure Limit	None	ACGIH Threshold Limit Value	50 mppcf	Other Exposure Limit Used	None
Signs and Symptoms of Exposure	None	I. Acute Overexposure	None		
II. 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

Hygenic 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	Work Practices
None	None
Protective Gloves	Eye Protection
Outer Protective Clothing or Equipment	Take precaution to avoid nuisance dust.
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	John S. Haundorf	Date Prepared	June 8, 1987
Telephone No.	314-241-2988	Date Revised	Nov. 4, 1987

The opinions expressed herein are those of qualified experts within Miles Inc. We believe that the information contained herein is current as of the date of this Material Safety Data Sheet. Since the use of this information and these opinions and the conditions of use of the product are not within the control of Miles Inc., it is the user's obligation to determine the conditions of safe use of the product.
