



PLAINSMAN Clays Limited

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Material Safety Data Sheet Alberta Slip

Further Physical Properties and Descriptive Literature is Available on Request or On Our Web Site

Section 1 - Product Information

Product Identifier: Clay/mineral blend	WHMIS Class: No hazardous classes apply
Product Use: Ceramic glaze ingredient	EPA TSCA Status: All ingredients are included in the inventory
CEPA Status: All ingredients listed on Canadian domestic substances list (DSL)	

Section 2 - Hazardous Ingredients

Hazardous Ingredient	%	CAS Number	LD ₅₀ of Ingredient	LC ₅₀ of Ingredient
*Respirable Free Silica (Quartz)	15-20	14808-60-7	N/A	N/A

Powder minerals specifically added to the blend are 7% Talc (Steatite CAS 14807-96-6), 10% Calcium Carbonate (CAS 1317-65-3), 15% Nepheline Syenite (Feldspar CAS 37244-96-5), 2% Iron Oxide (CAS 1317-61-9) (the clay component itself also contains amount of these minerals also)

*Note: Free Silica is not a hazard in moist form, it is only a hazard if clay is dry and dust is generated.

Section 3 - Physical Data

Physical State: Solid

Physical Properties Not Applicable:

Odour and Appearance

Light grey powder

Odour Threshold, Vapour Pressure & Density, Evaporation Rate, Boiling Point, Freezing Point, pH, Specific Gravity, Coeff. Water/Oil Dis.

Section 4 - Fire and Explosion Data

Flammability: Yes No Consider dust as Non-Flammable and Non-Explosive

Non-Applicable Data:

Means of Extinction, Flashpoint and Method, Autoignition Temperature, Upper Flammable Limit, Lower Flammable Limit, Hazardous Combustion Products, Sensitivity to Impact, Sensitivity to Static Discharge

Products of Decomposition During Kiln Burning:

Carbon Monoxide, Carbon Dioxide and possible traces of Sulfur Dioxide. Vent kiln during firing.

Section 5 - Reactivity Data

Chemical Stability: Yes No **Conditions of Instability:** None **Solubility in Water:** No

Incompatibility with Other Substances Yes No **Incompatible Substances:** None

Hazardous Decomposition Products: See section 4

Reactivity, and Under What Conditions: All ingredients are inert and non-reactive except for calcium carbonate which reacts with acids to liberate carbon dioxide

Product Identifier:

Powdered Clay/Mineral Blend - Alberta Slip

Section 6 - Toxicological Properties

Route of Entry: Skin Contact Skin Absorption Eye Contact Inhalation Ingestion

Effect of Acute Exposure to Product: A nuisance dust, heavy exposure may cause mechanical irritation of the respiratory tract.

Effects of Chronic Exposure to Product: Long term exposure to respirable free silica in concentrations higher than recommended TLV may cause lung injury.	Exposure Limits TLV = 0.1 mg/m ³ respirable dust	Non-Applicable Properties Sensitization, Teratogenicity, Reproductive Toxicity, Mutagenicity
	Irritancy of Product Mechanical Irritant Only	
	Synergistic Products Tobacco smoke will increase lung damage	

Section 7 - Preventive Measures

Personal Protective Equipment

Gloves (Specify): Not Req'd	Respirator (Specify): Approved Respirator where TLV exceeded	Eye (Specify): Safety glasses for comfort only
Footwear (Specify): Not Req'd	Clothing (Specify): Not Req'd	Other (Specify): None

Engineering Controls (Specify):	Local exhaust or other ventilation that will reduce dust concentration to less than permissible exposure limits is recommended
Leak and Spill Procedure:	Aqueous slurry is a slipping hazard. If dry minimize excessive dust generation, if sweeping use dust suppressant.
Waste Disposal:	Landfill (this is a blend of naturally occurring minerals).
Handling Procedures and Equipment:	Controls should be used to maintain "free" silica dust exposure levels below TLV.
Storage Requirements:	No special requirements.
Special Shipping Information:	Not required.

Section 8 - First Aid Measures

Specific Measures

Skin - Wash with water

Eyes - Flush with running water until material is removed

Section 9 - Preparation Data of MSDS

Prepared by

Plainsman Clays Limited

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