PLAINSMAN Clays Limited
702 Wood Street, Medicine Hat, Alta. T1A 1E9
Phone 403-527-8535 FAX 527-7508
http://www.plainsmanclays.com
plainsman@telus.net

Material Safety Data Sheet

H431

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

Section 1 - Product Information

Product Name: H431

Description: Clay/Mineral blend used for Pottery (moist pugged)

Product Use: Pottery

CEPA Status: All ingredients listed on Canadian domestic substances list (DSL)

WHMIS Class:
No hazardous classes apply

EPA TSCA Status:
All ingredients are included in the inventory

Section 2 - Hazardous Ingredients

Hazardous Ingredient	%	CAS Number	OSHA PEL	ACGIH TLV
*Respirable Free Silica (Quartz)		14808-60-7	3 mg/m³	0.01 mg/m³

*Note: Free Silica is not a hazard in moist or wet 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, grey pugged

*'pugged' refers to the wet plastic material

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: Inert and Non-Reactive

Product Identifier: **H431**

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.

Irritancy of Product: Mechanical Irritant Only

Non-Applicable Properties: Sensitization, Teratogenicity, Reproductive Toxicity, Mutagenicity

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Effects of Chronic Exposure to Respirable Quartz Dust: IARC has found evidence for the carcinogenicity of crystalline quartz. Avoid prolonged or repeated inhalation of dust. Long term exposure may cause silicosis.

Exposure Limits to Quartz: TLV = 0.1 mg/m^3 respirable crystalline silica

Synergistic Products: Tobacco smoke will increase lung damage

Section 7 - Preventive Measures

Personal Protective Equipment

Gloves: Not Req'd	Special Clothing: Not Req'd	Eye: May cause mechanical irritation on direct contact or where contact lenses are worn in high dust conditions
Footwear: Not applicable unless wet material is a slip hazard	Respirator (Specify): Approved Respirator where TLV exceeded	

Ventilation: 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.

Skin Contact: Wash with water.

Waste Disposal at Landfill: Treat this as a blend of naturally occurring minerals.

Storage Requirements: No special requirements, store powders in dry area.

Special Shipping Information: Not required.

Education: Many governments require that personnel working with crystalline silica receive training in safe work habits, respiratory protection and health risks.

Clothing: Do not wear clothing dusted with this product in your home.

Section 8 - First Aid Measures

Skin - Wash with water

Eyes - Flush with running water until material is removed

Section 9 - Preparation Data of MSDS

Prepared by	Phone Number	Date: Jan 1, 2009
Plainsman Clays Limited	(403) 527-8535	