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## Material Safety Data Sheet

# H443

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

### Section 1 - Product Information

**Product Name:** H443  
**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/m <sup>3</sup>	0.01 mg/m <sup>3</sup>

\*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 tan powder, brown pugged  
 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: H443

### 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

**Effects of Chronic Exposure to Respirable Quartz Dust IAC** 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<sup>3</sup> respirable crystalline silica  
**Synergistic Products:** Tobacco smoke will increase lung damage

### Section 7 - Preventive Measures

Personal Protective Equipment	
<b>Gloves:</b> Not Req'd	<b>Special Clothing:</b> Not Req'd
<b>Footwear:</b> Not applicable unless wet material is a slip hazard	<b>Respirator (Specify):</b> Approved Respirator where TLV exceeded
<b>Ventilation:</b> Local exhaust or other ventilation that will reduce dust concentration to less than permissible exposure limits is recommended	<b>Eye:</b> May cause mechanical irritation on direct contact or where contact lenses are worn in high dust conditions

**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** Plainsman Clays Limited  
**Phone Number** (403) 527-8535  
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