



# Material Safety Data Sheet

WHMIS (Pictograms)	WHMIS (Classification)	Protective Clothing
	WHMIS Class D-2A: Material causing other toxic effects (VERY TOXIC).	

## Section 1. Chemical Product and Company Identification

Product Name/ Trade name	<b>#6 Tile Clay</b>	Code	112324
Supplier	Debro Chemicals 11 Automatic Drive Brampton (Ontario) L6S 4K6 (905) 799-8200  2055 Hymus Blvd Dorval (Quebec) H9P 1J8 (514) 684-9775	CAS #	mixture
Synonym	Not available.	DSL	CEPA DSL: Quartz (Crystalline silica); Kaolin clay; water
Chemical Name	Not applicable.	CI#	Not available.
Chemical Family	Not available.	Validation Date	19/09/2006
Chemical Formula	Not applicable.	Print Date	25/10/2006
Manufacturer		In Case of Emergency	CHEMTREC: 1-800-424-9300
Material Uses	Not available.		

## Section 2. Composition and Information on Ingredients

Name	CAS #	% by Weight	Exposure Limits	LC <sub>50</sub> /LD <sub>50</sub>
1) Kaolin powder	1332-58-7	>96	Not available.	Not available.
2) Water	7732-18-5	<4	Not available.	Not available.
3) Quartz (Crystalline silica)	14808-60-7	<1	Not available.	Not available.

## Section 3. Hazards Identification

Potential Acute Health Effects	Slightly hazardous in case of eye contact (irritant), of inhalation (lung irritant). Non-irritant for skin. Non-hazardous in case of ingestion.
Potential Chronic Health Effects	Hazardous in case of inhalation (lung irritant). <b>CARCINOGENIC EFFECTS:</b> Classified 1 (Proven for human.) by IARC [Quartz (Crystalline silica)]. Classified A2 (Suspected for human.) by ACGIH, 2 (Some evidence.) by NTP [Quartz (Crystalline silica)]. <b>MUTAGENIC EFFECTS:</b> Not available. <b>TERATOGENIC EFFECTS:</b> Not available. <b>DEVELOPMENTAL TOXICITY:</b> Not available. The substance is toxic to lungs, upper respiratory tract. Repeated or prolonged exposure to the substance can produce target organs damage.

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**Section 4. First Aid Measures**

<b>Eye Contact</b>	Check for and remove any contact lenses. In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention if irritation occurs.
<b>Skin Contact</b>	Wash with soap and water. Get medical attention if irritation develops.
<b>Inhalation</b>	If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention if symptoms appear.
<b>Ingestion</b>	NO known EFFECT according to our data base. Have conscious person drink several glasses of water or milk. If large quantities of this material are swallowed, call a physician immediately.

**Section 5. Fire Fighting Measures**

<b>Products of Combustion</b>	Not available.
<b>Fire Fighting Media and Instructions</b>	Use extinguishing media suitable for surrounding materials.
<b>Special Remarks on Fire Hazards</b>	Non flammable, non explosive
<b>Special Remarks on Explosion Hazards</b>	Not available. Not applicable. Not applicable.

**Section 6. Accidental Release Measures**

<b>Small Spill and Leak</b>	Use appropriate tools to put the spilled solid in a convenient waste disposal container. Finish cleaning by spreading water on the contaminated surface and dispose of according to local and regional authority requirements.
<b>Large Spill and Leak</b>	Vacuum or sweep up material and place in a designated labeled waste container. Finish cleaning by spreading water on the contaminated surface and allow to evacuate through the sanitary system. Be careful that the product is not present at a concentration level above TLV. Check TLV on the MSDS and with local authorities.
<b>Personal Protection in Case of a Large Spill</b>	Splash goggles. Dust respirator. A self contained breathing apparatus should be used to avoid inhalation of the product.

**Section 7. Handling and Storage**

<b>Precautions</b>	Do not breathe dust. Wear suitable protective clothing. If you feel unwell, seek medical attention and show the label when possible.
<b>Incompatibility</b>	No incompatible product according to our data base.
<b>Storage</b>	Keep container tightly closed. Keep container in a cool, well-ventilated area.

**Section 8. Exposure Controls/Personal Protection**

<b>Engineering Controls</b>	Use process enclosures, local exhaust ventilation, or other engineering controls to keep airborne levels below recommended exposure limits. If user operations generate dust, fume or mist, use ventilation to keep exposure to airborne contaminants below the exposure limit.
<b>Personal Protection</b>	<p><i>Eyes</i> Safety glasses.</p> <p><i>Body</i> Lab coat.</p> <p><i>Respiratory</i> Dust respirator. Be sure to use an approved/certified respirator or equivalent. Wear appropriate respirator when ventilation is inadequate.</p>

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**Hands** Gloves (impervious).

**Feet** Not applicable.

**Protective Clothing  
(Pictograms)**



**Exposure Limits**

**Kaolin powder**

TWA: 2 (mg/m<sup>3</sup>) from ACGIH (TLV) [United States] Inhalation Respirable.

TWA: 15 (mg/m<sup>3</sup>) from OSHA (PEL) [United States] Inhalation Total.

TWA: 5 (mg/m<sup>3</sup>) from OSHA [United States] Inhalation Respirable.

**Quartz (Crystalline silica)**

TWA: 0.1 (mg/m<sup>3</sup>) from OSHA (PEL) [United States] Inhalation Respirable.

TWA: 0.1 (mg/m<sup>3</sup>) from ACGIH (TLV) [United States] Inhalation Respirable.

TWA: 0.05 (mg/m<sup>3</sup>) from NIOSH Inhalation Respirable.

Consult local authorities for acceptable exposure limits.

**Section 9. Physical and Chemical Properties**

<b>Physical State and Appearance</b>	Solid. (Powdered solid.)	<b>Odor</b>	Odorless.
<b>Molecular Weight</b>	Not applicable.	<b>Taste</b>	Not available.
<b>pH (1% Soln/Water)</b>	Acidic.	<b>Color</b>	White.
<b>Boiling/Condensation Point</b>	Not available.		
<b>Melting/Freezing Point</b>	Not available.		
<b>Critical Temperature</b>	Not available.		
<b>Instability Temperature</b>	Not available.		
<b>Specific Gravity</b>	2.62 (Water = 1)		
<b>Vapor Pressure</b>	Not applicable.		
<b>Vapor Density</b>	Not available.		
<b>Volatility</b>	Not available.		
<b>Evaporation Rate</b>	Not available.		
<b>Odor Threshold</b>	Not available.		
<b>Viscosity</b>	Not available.		
<b>LogK<sub>ow</sub></b>	Not available.		
<b>Ionicity (in Water)</b>	Amphoteric. (Water).		
<b>Dispersion Properties</b>	Is not dispersed in cold water, hot water. See solubility in methanol, acetone.		
<b>Solubility</b>	Easily soluble in methanol, acetone. Insoluble in cold water, hot water.		
<b>The Product is:</b>	Non-flammable.		
<b>Auto-ignition Temperature</b>	Not applicable.		
<b>Flash Points</b>	Not applicable.		
<b>Flammable Limits</b>	Not applicable.		

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Fire Hazards in Presence of Various Substances	Not applicable.
Explosion Hazards in Presence of Various Substances	Not considered as a product presenting risks of explosion.

### Section 10. Stability and Reactivity

Stability	The product is stable.
Conditions of Instability	Not available.
Incompatibility with Various Substances	No incompatible product according to our data base.
Corrosivity	Not considered to be corrosive for metals and glass.
Hazardous Decomposition Products	Not available.
Special Remarks on Reactivity	Explosion hazard. Hydrofluoric acid; Magnesium; Manganese Trifluoride; Sodium; Xenon Hexafluoride (Quartz (Crystalline silica))
Special Remarks on Corrosivity	Not available.

### Section 11. Toxicological Information

Routes of Entry	Inhalation.
Toxicity to Animals	LD50: Not available. LC50: Not available.
Acute Effects on Humans	<p><i>Eyes</i> Slightly hazardous in case of eye contact (irritant).</p> <p><i>Skin</i> Sensitization of the product: Not available. Non-irritant for skin.</p> <p><i>Inhalation</i> Slightly hazardous in case of inhalation (lung irritant).</p> <p><i>Ingestion</i> Non-hazardous in case of ingestion.</p>
Chronic Effects on Humans	<p>Hazardous in case of inhalation (lung irritant). <b>CARCINOGENIC EFFECTS:</b> Classified 1 (Proven for human.) by IARC [Quartz (Crystalline silica)]. Classified A2 (Suspected for human.) by ACGIH, 2 (Some evidence.) by NTP [Quartz (Crystalline silica)]. <b>MUTAGENIC EFFECTS:</b> Not available. <b>TERATOGENIC EFFECTS:</b> Not available. <b>DEVELOPMENTAL TOXICITY:</b> Not available. The substance is toxic to lungs, upper respiratory tract. Repeated or prolonged exposure to the substance can produce target organs damage.</p>
Special Remarks on Toxicity to Animals	Not available.
Special Remarks on Chronic Effects on Humans	Not available.
Special Remarks on Other Toxic Effects on Humans	Not available.

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**Section 12. Ecological Information**

Ecotoxicity	Not available.
BOD5 and COD	Not available.
Products of Biodegradation	Possibly hazardous short term degradation products are not likely. However, long term degradation products may arise.
Toxicity of the Products of Biodegradation	Not available.
Special Remarks on the Products of Biodegradation	Not available.


**Section 13. Disposal Considerations**

Waste Information	Waste must be disposed of in accordance with federal, state and local environmental control regulations.
Waste Stream	Not available.

**Section 14. Transport Information**

TDG Classification	Not controlled under TDG (Canada).	
PIN	Not applicable.	
Maritime Transportation	Not available.	
Special Provisions for Transport	Not applicable.	

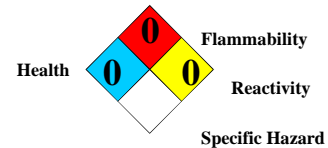
**Section 15. Other Regulatory Information and Pictograms**

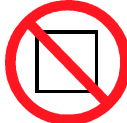
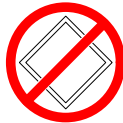
WHMIS (Classification)	WHMIS Class D-2A: Material causing other toxic effects (VERY TOXIC).	
Regulatory Lists	CEPA DSL: Quartz (Crystalline silica); kaolin clay; water	
Other Regulations	OSHA: Hazardous by definition of Hazard Communication Standard (29 CFR 1910.1200).	
Other Classifications	<b>HCS (U.S.A.)</b>	Class: Contains material which can cause cancer. Class: Target organ effects.
	<b>USA Regulatory Lists</b>	California prop. 65: This product contains the following ingredients for which the State of California has found to cause cancer which would require a warning under the statute: Quartz (Crystalline silica)
	<b>DSCL (EEC)</b>	This product is not classified according to the EU regulations.
	<b>International Regulations Lists</b>	No products were found.

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**Hazardous Material  
Information System  
(U.S.A.)**

Health	*	0
Flammability		0
Reactivity		0
Personal Protection		E

**National Fire  
Protection  
Association (U.S.A.)**

**DOT (U.S.A)  
(Pictograms)**

**DSCL (Europe)  
(Pictograms)**

**ADR (Europe)  
(Pictograms)**

**Section 16. Other Information**
**References** -Manufacturer's Material Safety Data Sheet.

**Other Special  
Considerations** Not available.

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