



MATERIAL SAFETY DATA SHEET

YELLOW ILLITE CLAY

MSDS

1. PRODUCT NAME AND COMPANY IDENTIFICATION

Product Name: YELLOW ILLITE CLAY  
Product Use: Personal Care Formulations  
Company Name: Saffire Blue Inc.  
Company Address: 1444 Bell Mill Road, Tillsonburg, ON N4G4G9 Canada  
Date Issued: 07/06/2012  
Emergency Telephone Number: Chemtrec Tel: (800) 262-8200

2. COMPOSITION/INGREDIENT INFORMATION

Ingredients: 100% natural illite clay  
SiO2: 69.6%  
Al2O3: 19.3%  
MgO: 0.30%  
Fe2O3: 6.5%  
TiO2: 1.1%  
K2O: 2.8%  
Na2O: 0.2%  
CaO: 0.10%

3. HAZARDS IDENTIFICATION

Eyes: Mild irritation may occur  
Skin: Prolonged or repeated skin contact can cause irritation  
Ingestion: Not expected to be a hazard  
Inhalation: The product may contain breathable dust. Prolonged inhalation of a high concentration of dust may affect lung function. To use in complete safety, respect exposure limits.  
Risk of Slips/Falls: Dampening the floor while cleaning a clay storage site may render it extremely slippery. Dry cleaning is recommended if people are required to continue working on the site.

4. FIRST AID MEASURES

Eyes: Flush with plenty of water or eye wash solution for 15 minutes. Get medical attention if irritation persists.  
Skin: Wash off with water.  
Ingestion: Ingesting in large doses may cause constipation. Drink copious amount of milk/water.  
Inhalation: Remove to fresh air. If continued respiratory irritation occurs or if breathing becomes difficult, seek medical attention.  
Medical Conditions Generally Aggravated by Exposure: None

## 5. FIRE FIGHTING MEASURES

<b>Extinguishing Media:</b>	N/A
<b>Special Firefighting Procedures:</b>	N/A
<b>Unusual Fire &amp; Explosion Hazards:</b>	N/A

## 6. ACCIDENTAL RELEASE MEASURES (STEPS FOR SPILLS)

<b>Precautions:</b>	Avoid dust formation. In the event of a high level exposure to volatile dust, wear a protective mask and safety goggles.
<b>Methods for Cleaning Up:</b>	Sweep up small spills carefully. For large spills, use water sprays or ventilated evacuation systems to prevent dust prevention. Dispose of according to local regulations.

## 7. HANDLING AND STORAGE

### Handling

<b>Safe Handling:</b>	Avoid dust formation. Provide appropriate ventilation where dust forms. In the event where there is insufficient ventilation wear suitable breathing equipment.
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### Storage

<b>Requirements for Storage Areas and Containers:</b>	Store in closed containers below 30°C in well ventilated areas. May be slippery when wet.
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## 8. EXPOSURE CONTROL/PERSONAL PROTECTION

<b>Exposure Value Limits:</b>	Respect the regulatory provisions for dust (inhalable and breathable) and crystalline silica.
<b>Eye:</b>	Safety glasses should be worn.
<b>Skin/Body:</b>	Gloves should be worn.
<b>Respiratory:</b>	Use adequate ventilation as needed to avoid inhalation of fine dust.
<b>Ventilation:</b>	Provide appropriate ventilation and filters in places where dust may be generated.
<b>Other:</b>	Evaluate need based on application. Slip proof shoes may be worn where spills may occur.
<b>Work/Hygiene Practice:</b>	Normal work and hygiene practices

## 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Physical State:</b>	Powder
<b>Color:</b>	Dark Yellow
<b>Odor:</b>	Characteristic
<b>pH:</b>	Neutral
<b>Cationic Exchange Rate:</b>	+/- 32 meq / 100g
<b>Solubility in Water:</b>	N/A
<b>Density:</b>	0.85 g/cm <sup>3</sup>

**10. STABILITY AND REACTIVITY**

<b>Stability:</b>	Stable
<b>Incompatibility (Materials to Avoid):</b>	N/A
<b>Hazardous Decomposition or Byproducts:</b>	N/A
<b>Conditions to Avoid:</b>	N/A

**11. TOXICOLOGICAL INFORMATION**

<b>Toxicity Data:</b>	There is no information on toxicokinetics, metabolism and distribution.
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**12. ECOLOGICAL INFORMATION**

<b>Ecotoxicity:</b>	No known ecological hazards are associated with this product.
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**13. DISPOSAL CONSIDERATIONS**

<b>Waste Disposal Methods:</b>	Dispose of according to local, state and federal regulations, and in a manner that does not pose a risk due to emission of breathable dust.
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**14. TRANSPORT INFORMATION**

<b>DOT Classification:</b>	Not classified
<b>IATA Classification:</b>	Not classified
<b>IMDG:</b>	Not classified

**15. REGULATORY INFORMATION**

<b>US:</b>	This material is intended to be used as a cosmetic ingredient and is exempt from Toxic Substances Control Act (TSCA) regulation (40 CFR 710) when used as such. Do not use for other purposes.
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**16. ADDITIONAL INFORMATION**

This information is provided for documentation purposes only.  
This product is not considered hazardous.

The complete range of conditions or methods of use are beyond our control therefore we do not assume any responsibility and expressly disclaim any liability for any use of this product. Information contained herein is believed to be true and accurate however, all statements or suggestions are made without warranty, expressed or implied, regarding accuracy of the information, the hazards connected with the use of the material or the results to be obtained from the use thereof. Compliance with all applicable federal, state, and local laws and local regulations remains the responsibility of the user.

This safety sheet cannot cover all possible situations which the user may experience during processing. Each aspect of your operation should be examined to determine if, or where, additional precautions may be necessary. All health and safety information contained in this bulletin should be provided to your employees or customers.