

## MATERIAL SAFETY DATA SHEET

# GREEN ILLITE CLAY

# MSDS

### 1. PRODUCT NAME AND COMPANY IDENTIFICATION

**Product Name:** GREEN ILLITE CLAY  
**Product Use:** Personal Care Formulations  
**Company Name:** Natural Sourcing  
**Company Address:** 341 Christian Street, Oxford, CT 06478, USA  
**Date Issued:** 1/1/2008  
**Emergency Telephone Number:** Chemtrec Tel: (800) 262-8200

### 2. COMPOSITION/INGREDIENT INFORMATION

**Ingredients:** 100% natural illite clay  
SiO<sub>2</sub>: 52.12%  
Al<sub>2</sub>O<sub>3</sub>: 16.65%  
MgO: 2.16%  
Fe<sub>2</sub>O<sub>3</sub>: 5.65%  
TiO<sub>2</sub>: 0.64%  
K<sub>2</sub>O: 2.7%  
Na<sub>2</sub>O: 0.06%  
CaO: 2.41%

### 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

Extinguishing Media:	N/A
Special Firefighting Procedures:	N/A
Unusual Fire & Explosion Hazards:	N/A

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

Precautions:	Avoid dust formation. In the event of a high level exposure to volatile dust, wear a protective mask and safety goggles.
Methods for Cleaning Up:	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

Safe Handling:	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

Requirements for Storage Areas and Containers:	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

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

## 9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State:	Powder
Color:	Green
Odor:	Characteristic
pH:	Neutral
Cationic Exchange Rate:	+/- 12.5 meq / 100g
Solubility in Water:	N/A
Density:	0.85 g/cm <sup>3</sup>

## 10. STABILITY AND REACTIVITY

Stability:	Stable
Incompatibility (Materials to Avoid):	N/A

Hazardous Decomposition or Byproducts: N/A  
Conditions to Avoid: N/A

#### 11. TOXICOLOGICAL INFORMATION

**Toxicity Data:** There is no information on toxicokinetics, metabolism and distribution.

#### 12. ECOLOGICAL INFORMATION

**Ecotoxicity:** No known ecological hazards are associated with this product.

#### 13. DISPOSAL CONSIDERATIONS

**Waste Disposal Methods:** 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.

#### 14. TRANSPORT INFORMATION

DOT Classification: Not classified  
IATA Classification: Not classified  
IMDG: Not classified

#### 15. REGULATORY INFORMATION

**US:** 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.

#### 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.