1. PRODUCT NAME AND COMPANY IDENTIFICATION

Product Name: TANGERINE MICA
Product Use: Personal Care Formulations
Company Name: Natural Sourcing
Company Address: 341 Christian Street, Oxford, CT 06478, USA
Date Issued: 2/11/2009
Emergency Telephone Number: Chemtrec Tel: (800) 262-8200

2. COMPOSITION/INGREDIENT INFORMATION

Chemical Family: Inorganic Pigment
Ingredients: 
- Mica (mineral) CAS No: 12001-26-2 % by Weight 53-63
- Iron Oxide CAS No: 1309-37-1 % by Weight 36-44
- Aluminum Oxide CAS No: 1344-28-1 % by Weight 1-3

3. HAZARDS IDENTIFICATION

Emergency Overview: May cause respiratory tract, eye and skin irritation.

Routes of Entry: Eye contact, Inhalation, Ingestion (not anticipated)
Eye Contact: Irritation (itching, redness) may occur
Skin Contact: May cause mild irritation (itching, redness)
Ingestion: Not an intended route of exposure. May be hazardous in case of ingestion. Symptoms include gastrointestinal tract upset and diarrhea.
Inhalation: May cause respiratory tract irritation (coughing, wheezing, shortness of breathe)

4. FIRST AID MEASURES

Eyes: Remove contacts. Flush with plenty of water for 15 minutes. Get medical attention if irritation persists.
Skin: Remove contaminated clothing and shoes. Wash with soap and water. Seek medical attention if symptoms persist.
Ingestion: If this material is swallowed call a physician immediately. Do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person.
Inhalation: Remove to fresh air. If breathing is difficult, give oxygen. If not breathing, give artificial respiration. If symptoms persist, seek medical attention.
<table>
<thead>
<tr>
<th>Medical Conditions Generally Aggravated by Exposure:</th>
<th>Repeated or prolonged inhalation of dust may aggravate respiratory medical conditions.</th>
</tr>
</thead>
</table>

**5. FIRE FIGHTING MEASURES**

- **Flammability of Product:** Non-flammable
- **Extinguishing Media:** Water spray, foam, dry chemical or CO2.
- **Special Firefighting Procedures:** Wear self-contained breathing apparatus and full protective clothing.
- **Unusual Fire & Explosion Hazards:** None
- **Hazard Thermal Decomposition Products:** N/A

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

- **Methods for Cleaning Up:** Scoop spilled material into appropriately labeled containers for proper disposal. Finish cleaning by washing area with water. For large spills, check TLV in Section 8 of MSDS and check with local authorities.
- **Spill Kit Information:** No spill kit required for this material.

**7. HANDLING AND STORAGE**

- **Handling**
  - **Safe Handling:** Avoid generating dust. Avoid breathing dust. Use only with adequate ventilation. Avoid prolonged, contact with skin. Avoid contact with eyes. Keep container closed. Wash thoroughly after handling.
- **Storage**
  - Keep container dry. Keep containers sealed until ready to use.

**8. EXPOSURE CONTROL/PERSONAL PROTECTION**

- **Engineering Controls:** 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.
- **Eye:** Safety glasses
- **Skin/Body:** Gloves & Lab Coats
- **Respiratory:** Use adequate ventilation or NIOSH-approved respiratory devices to prevent inhalation of dust. Use additional appropriate respiratory protection if there is potential to exceed the exposure limits.
- **Other:** Evaluate need based on application.
- **Personal Protection in Case of Large Spills:** Splash goggles, synthetic apron, Gloves, MSHA/NIOSH approved self-contained breathing apparatus or equivalent and full protective gear.

**Product Name**

**MICA (mineral)**

<table>
<thead>
<tr>
<th><strong>Exposure Limits</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>ACGIH:</strong> (US, 1994)</td>
</tr>
<tr>
<td>TWA: 3 mg/m³</td>
</tr>
<tr>
<td><strong>OSHA:</strong> (US, 1989)</td>
</tr>
<tr>
<td>Notes: Respirable</td>
</tr>
<tr>
<td>TWA: 3 mg/m³</td>
</tr>
<tr>
<td><strong>ACGIH:</strong> (US, 1994)</td>
</tr>
<tr>
<td>TWA: 3 mg/m³ 8 hour(s)</td>
</tr>
</tbody>
</table>
9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State: Solid, Golden Brown, Lustrous Powder
Color: Golden Brown
Odor: Odorless
Molecular Weight: Mixture
Molecular Formula: N/A
pH: 7 to 11 (Conc. (% w/w): 10)
Melting Point/Freezing Point: N/A
Specific Gravity: N/A
Bulk Density: 2.9-3.7 g/in³
Solubility in Water: Insoluble

10. STABILITY AND REACTIVITY

Stability: Stable
Hazardous Decomposition or Byproducts: N/A
Hazardous Polymerization: Will Not Occur

11. TOXICOLOGICAL INFORMATION

RTECS Number:
- Mica (mineral) VV8760000
- Iron Oxide NO7400000
- Aluminum Oxide BD1200000

Toxicity:
- Acute oral toxicity (LD50): >16000 mg/kg [Rat]

Chronic Effects on Humans:
- Carcinogenic Effects: Classified None. By NIOSH [IRON OXIDE]. Classified A4 (Not classifiable for human or animal.) by ACGIH, 3 (Not classifiable for human.) by IARC [IRON OXIDE]. Classified None. By NIOSH [ALUMINUM OXIDE]. Classified A4 (Not classifiable for human or animal.) by ACGIH
[ALUMINUM OXIDE].

Mutagenic Effects: Not available
Teratogenic Effects: Not available
Developmental Toxicity: Not available
Repeated or prolonged exposure to the substance at concentrations above exposure limits may cause respiratory damage.
Target Organs: eyes, lungs, skin.

Acute Effects on Humans: May cause skin, eye and respiratory irritation.
Sensitization: Repeated or prolonged exposure to the substance at concentrations above exposure limits may cause respiratory tract and lung sensitization.

Carcinogenic Effects: This material is not known to cause cancer in animals or humans.

12. ECOLOGICAL INFORMATION

Toxicity of the Products of Biodegradation: The product itself and its products of degradation are not toxic.

13. DISPOSAL CONSIDERATIONS

EPA Waste Number: Non-hazardous waste
Treatment: Dispose of according to all federal, state and local regulations.

14. TRANSPORT INFORMATION

DOT: Not regulated
TDG: Not regulated
IMO/IMDG: Not regulated
ICAO/IATA: Not regulated

15. REGULATORY INFORMATION

US Federal Regulations:
TSCA 8(b) inventory: IRON OXIDE; ALUMINUM OXIDE
SARA 302/304/311/312 extremely hazardous substances: No products were found
SARA 302/304 emergency planning and notification: No products were found
SARA 302/304/311/312 hazardous chemicals: MICA (Mineral), IRON OXIDE, ALUMINUM OXIDE
SARA 313 toxic chemical notification and release reporting: ALUMINUM OXIDE 2%
Clean Water Act (CWA) 307: No products were found.
Clean Water Act (CWA) 311: No products were found.
Clean Air Act (CAA) 112 accidental release prevention: No products were found.
Clean Air Act (CAA) 112 regulated flammable substances: No products were found.
Clean Air Act (CAA) 112 regulated toxic substances: No products were found.

WHMIS (Canada): Not controlled under WHMIS (Canada)
CEPA DSL: MICA (mineral); IRON OXIDE; ALUMINUM OXIDE
International Regulations:

EINECS:
- MICA (mineral) 3101276
- IRON OXIDE 215-168-2
- ALUMINUM OXIDE 215-691-6

DSCL (EEC):
- S22: Do not breathe dust

International Lists:
- Australia (NICNAS): MICA; IRON OXIDE; ALUMINUM OXIDE
- Japan (MITI): MICA; IRON OXIDE; ALUMINUM OXIDE
- Korea (TCCL): MICA; IRON OXIDE; ALUMINUM OXIDE
- Philippines (RA6969): MICA; IRON OXIDE; ALUMINUM OXIDE

State Regulations:
- Pennsylvania RTK: IRON OXIDE (generic environmental hazard); ALUMINUM OXIDE (environmental hazard, generic environmental hazard)
- Massachusetts RTK: MICA (mineral); IRON OXIDE; ALUMINUM OXIDE
- New Jersey: MICA (mineral); IRON OXIDE; ALUMINUM OXIDE

16. ADDITIONAL INFORMATION

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.