

MATERIAL SAFETY DATA SHEET

TANGERINE MICA

MSDS

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:	CAS No:	% by Weight
Mica (mineral)	12001-26-2	53-63
Iron Oxide	1309-37-1	36-44
Aluminum Oxide	1344-28-1	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 gastro intestinal 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.

Medical Conditions Generally Aggravated by Exposure:

Repeated or prolonged inhalation of dust may aggravate respiratory medical conditions.

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)

Exposure Limits
ACGIH: (US, 1994)
TWA: 3 mg/m³
OSHA: (US, 1989)
Notes: Respirable
TWA: 3 mg/m³
ACGIH: (US, 1994)
TWA: 3 mg/m³ 8 hour(s)

IRON OXIDE

NIOSH REL: (US, 1994)
TWA: 3 mg/m³ 10 hour(s) Form: Respirable Fraction
OSHA Final Rule: (US, 1989)
TWA: 3 mg/m³ 8 hour(s) Form: Respirable Fraction
ACGIH: (US, 1996)
TWA: 5 mg/m³
OSHA: (US, 1989)
Notes: Total
STEL: 10 ppm
ACGIH: (US, 1997)
TWA: 10 mg/m³ 8 hour(s)
TWA: 5 mg/m³ 8 hour(s) Form: Dust & Fumes
NIOSH REL: (US, 1994)
TWA: 5 mg/m³ 10 hour(s) Form: Dust & Fumes
OSHA Final Rule: (US, 1989)
STEL: 10 ppm 15 minutes Form: Total Particulates
ACGIH: (US, 1996)
TWA: 10 mg/m³ 8 hour(s)
OSHA Final Rule: (US, 1989)
TWA: 10 mg/m³ 8 hour(s) Form: Dust
TWA: 5 mg/m³ 8 hour(s) Form: Respirable Fraction

ALUMINUM OXIDE

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/in ³
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 311/312 MSDS distribution: chemical inventory – hazard identification: MICA (mineral): Immediate (Acute) Health Hazard; IRON OXIDE: Immediate (Acute) Health Hazard; ALUMINUM OXIDE: Immediate (Acute) Health Hazard
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.