1. PRODUCT NAME AND COMPANY IDENTIFICATION

Product Name: BIRON MTU COSMETIC PIGMENT
Product Use: Personal Care Formulations
Company Name: Natural Sourcing
Company Address: 341 Christian Street, Oxford, CT 06478, USA
Date Issued: 05/27/2011
Emergency Telephone Number: Chemtrec Tel: (800) 262-8200

2. COMPOSITION/INGREDIENT INFORMATION

Chemical Family: Cosmetic Pigment
Ingredients: CAS No: % by Weight
Bismuth Oxychloride 7787-59-9 98-100

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)
Inhalation: May cause respiratory tract irritation (coughing, wheezing, shortness of breathe)
Not an intended route of exposure. This material is considered essentially non-toxic when ingested but may cause gastrointestinal tract upset or diarrhea if ingested in large quantities.
Ingestion: Repeated or prolonged inhalation of any dust particulate may aggravate respiratory medical conditions or lead to chronic respiratory irritation.

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. Remove to fresh air. If breathing is difficult, give oxygen. If not breathing, give artificial respiration. If symptoms persist, seek medical attention.
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.

Explosion Hazards in Presence of Various Substances:
- Risks of explosion of the product in presence of static discharge: No
- Risks of explosion of the product in presence of mechanical impact: No

Products of Combustion: 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: 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.
Safe 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 MSHA/NIOSH-approved respiratory devices to prevent inhalation of dust.
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
Bismuth Oxychloride: Exposure Limits
Not Available

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State: Solid Powder
Color: White
Odor: Odorless
Molecular Weight: 260.43 g/mol
Molecular Formula: BiOCl
pH: 3 to 7
Boiling/Condensation Point: Decomposes
Melting Point/Freezing Point: > 1000°C (1832°F)
Bulk Density: 13–18 g/in³
Solubility in Water: Insoluble

10. STABILITY AND REACTIVITY
Stability: Stable
Conditions of Instability: Extreme heat
Incompatibility with Various Substances: Acids and Bases
Hazardous Decomposition or Byproducts: These products are halogenated compounds, hydrogen chloride
Hazardous Polymerization: Will Not Occur

11. TOXICOLOGICAL INFORMATION
RTECS Number: Bismuth Oxychloride: EB2700000
Acute oral toxicity (LD50): >22000 mg/kg [Rat]

Toxicity:
Chronic Effects on Humans: Carcinogenic Effects: Not available
Mutagenic Effects: Not available
Teratogenic Effects: Not available
Developmental Toxicity: Not available
May cause skin, eye and respiratory irritation.

Acute Effects on Humans: May cause skin, eye and respiratory irritation.
Synergetic Products: Not Available
Irritancy (Draize Test): Not Available
Sensitization: Not Available
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.
The products of degradation are less toxic than the product itself.

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

TSCA 8(b) inventory: BISMUTH OXYCHLORIDE
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: BISMUTH OXYCHLORIDE
SARA 311/312 MSDS distribution: chemical inventory – hazard identification: BISMUTH OXYCHLORIDE: Delayed (Chronic) Health Hazard

US Federal Regulations:
SARA 313 Form R Reporting Requirements: No products were found.
SARA 313 Supplier Notification: No products were found.
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)

International Regulations:
CEPA DSL: BISMUTH OXYCHLORIDE

EINECS:
BISMUTH OXYCHLORIDE 232-122-7

DSCL (EEC):
R36/37/38: Irritating to eyes, respiratory system and skin
Australia (NICNAS): BISMUTH OXYCHLORIDE
China: BISMUTH OXYCHLORIDE

International Lists:
Japan (MITI): BISMUTH OXYCHLORIDE
Korea (TCCL): BISMUTH OXYCHLORIDE
Philippines (RA6969): BISMUTH OXYCHLORIDE

State Regulations:
California Prop. 65: No products were found

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.