

MSDS - Material Safety Data Sheet**Product Name: Latent Print Powder, Coin Box/Galvanic**

MSDS No.: CBG203L

I. Basic Information:

Manufacturer: Sirchie Finger Print Laboratories

Address: 100 Hunter Place

City, ST Zip: Youngsville, NC 27596

Emergency Contact: ChemTrec

Emergency Telephone Number: 800-424-9300

Contact: Tech Support

Information Telephone Number: 919-554-2244

Last Update: 01/26/2011

Expiration Date:

Chemical State: Liquid Gas SolidChemical Type: Pure Mixture

2	Health
1	Flammability
1	Reactivity
F	Pers. Protection

II. Ingredients: Trade Secret (N/D = Not Disclosed)

CAS No.	Chemical Name	% Range	EHS		IARC		SARA 313		OSHA PEL	ACGIH TLV	Other Limits
			NTP		SUB Z						
1317619	Black iron oxide	12.5							15 mg/m3	10 mg/m3	140 F
8031183	Fuller's earth	37.5							NE	NE	
0	Green pigment	25							NE	10mg/m3	
0	Lycopodium	12.5							NE	NE	
7585413	Pigment red 48:1	12.5							5 mg/m3	10 mg/m3	

III. Hazardous Identification:

Hazard Category:

 Acute Chronic Fire Pressure Reactive**Hazardous Identification Information:**

May be dangerous if ingested. Respiratory tract irritant. Skin irritant. Severe eye irritant. May cause siderosis.

The toxicological properties of Fuller's earth have not been thoroughly investigated.

This material is subject to the reporting requirements of Section 313 of SARA Title III and 40 CFR Part 373.

IV. First Aid Measures:**Route(s) of Entry:**

Inhalation, ingestion, skin, eyes

Health Hazards (Acute and Chronic):

Chronic: Siderosis

Signs and Symptoms:

Inhalation: Cough

Eyes: Inflammation, redness, watering, itching

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Medical Conditions Generally Aggravated by Exposure:

Skin, eye, respiratory diseases

Emergency and First Aid Procedures:

Inhalation: Remove to fresh air. If breathing becomes difficult, give oxygen (To be administered by qualified medical personnel only!) If breathing stops, perform artificial respiration. Seek medical attention.

Ingestion: If victim is conscious and alert, give large quantities of water. (Never give anything by mouth to an unconscious person!) DO NOT induce vomiting. If vomiting occurs, lower the head so that the vomit will not re-enter the mouth and throat. Seek medical attention.

Skin: Wash with soap and water. If irritation occurs, seek medical attention.

Eyes: Rinse with plenty of water for 15 minutes. Seek medical attention. DO NOT use an eye ointment.

Convulsions: Do not restrain the victim, but do remove objects with which they might injure themselves; or, orient the victim to prevent them from striking fixed heavy objects. If the convulsions cease, turn the victim on their side or face down, so that any fluid in the mouth can drain.

Other Health Warnings:

V. Fire Fighting Measures:

Flash Point: 140 F

Lower Explosive Limit: NE

Upper Explosive Limit: NE

F.P. Method:

Fire Extinguishing Media: Dry chemical, carbon dioxide, water spray or fog, foam

Special Fire Fighting Procedures:

Wear self-contained breathing apparatus and protective clothing. Cool containers with water jet in order to prevent pressure build-up, autoignition, or explosion.

Unusual Fire and Explosion:

Oxidizer--contact with combustible materials may cause a fire. Storage at temperatures above 140 F may cause the black iron oxide to oxidize, generating heat which could cause surrounding combustibles to burn. Can pose dust explosion hazard if dispersed in air.

"Empty" containers may contain product residue and may be dangerous. Empty containers should be completely drained and banded and then disposed of according to local, state, and federal regulations.

VI. Accidental Release Measures:

Steps to be Taken in Case Material is Released or Spilled:

Wear dust respirator, safety goggles, and rubber gloves. Sweep up and place in bag or vacuum up with proper filter equipped instrument. Avoid creating dust. Ventilate and wash spill site after collecting solid. Dispose according to local, state, and federal regulations.

VII. Handling and Storage:

Precautions to be Taken:

Keep in tightly closed container. Keep cool and dry. Do not store above 140 F. Avoid all ignition sources (heat, open flame, spark). Avoid incompatible materials. Ground all equipment containing material. Use only in well-ventilated areas. Avoid dust generation and accumulation. Avoid ingestion and inhalation. Avoid contact with skin, eyes, and clothing. Wash thoroughly after handling and before eating, drinking, or using tobacco products.

Other Precautions:

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VIII. Exposure Controls/Personal Protection:

Ventilation Requirements:

Use only in well-ventilated areas.

Personal Protective Equipment:

Safety goggles, rubber or leather gloves, dust respirator, protective clothing

IX. Physical and Chemical Properties:

Boiling Point: NE

Melting Point: NE

Evaporation Rate (Butyl Acetate = 1): NE

Vapor Pressure (mm Hg.): NE

Specific Gravity (H₂O = 1):

Vapor Density (AIR = 1): NE

Solubility In Water: Insoluble

Appearance and Odor: Odorless brown-red powder

Other Information:

X. Stability and Reactivity:

Stability:

Stable under normal temperatures and pressures.

Incompatibility (Materials to Avoid):

Strong oxidizing agents, ignition sources (heat, open flame, spark), combustibles, strong acids, alum, ammonium salts

Decomposition/By Products:

Calcium oxide, oxygen, carbon monoxide and dioxide, nitrous oxides, hydrogen chloride

Hazardous Polymerization:

Has not been reported.

XI. Toxicological Information:

Prolonged inhalation of iron oxide dust is known to produce a condition known as siderosis. On x-rays, it appears to be a benign pneumoconiosis, and is not associated with pulmonary fibrosis or disability unless there is concurrent exposure to other fibrosis-producing materials such as silica. The TLV is set to protect against siderosis.

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XII. Ecological Information:

Prevent from entering sewers or waterways. The products of degradation are more toxic.

XIII. Disposal Considerations:

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Disposal must be made in accordance with local, state, and federal regulations pursuant to 40 CFR part 261 of the Resource Conservation & Recovery Act (RCRA).

Pigment red 48:1

This product contains barium and may be a characteristic waste under 40 CFR 261. Prior to disposal, a representative sample of this material should be tested using TCLP guidelines.

Hazardous waste no. (if applicable): D005

XIV. Transport Information:

Keep in tightly closed container. Keep cool and dry. Do not transport above 140 F. Avoid all ignition sources (heat, open flame, spark). Avoid incompatible materials. Ground all equipment containing material. Avoid dust generation and accumulation. Avoid ingestion and inhalation. Avoid contact with skin, eyes, and clothing. Wash thoroughly after handling and before eating, drinking, or using tobacco products.

XV. Regulatory Information:

Fuller's earth, crayola #1 green, and pigment red 48:1 are listed on the TSCA inventory.

Lycopodium is hazardous by definition of OSHA Hazard Communication Standard (29 CFR 1910.1200).

This material is subject to the reporting requirements of Section 313 of SARA Title III and 40 CFR Part 373.

XVI. Other Information:

Using this product under normal, properly instructed procedures should not be hazardous.

The information above is believed to be accurate and represents the best information currently available to us. However, we make no warranty of merchantability or any other warranty, expressed or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigation to determine the suitability of the information for their particular purposes.