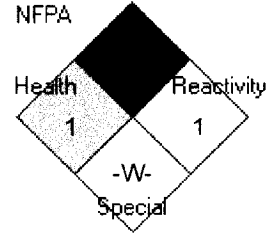


**MSDS - Material Safety Data Sheet****Product Name: Magnetic Latent Print Powder, Silver/Black**

MSDS No.: SBM9

**I. Basic Information:**

**Manufacturer:** SIRCHIE FINGER PRINT LABORATORIES, INC.  
**Address:** 100 HUNTER PLACE  
**City, ST Zip:** YOUNGSVILLE, NC 27596



Last Update: 6/18/99

**Chemical State:**  Liquid  Gas  Solid

**Chemical Type:**  Pure  Mixture

1	Health
1	Reactivity
F	Pers. Protection

**II. Ingredients:**

CAS No.	Chemical Name	% Range	EHS	NTP	IARC	SUB	Z 313	SARA	OSHA	ACGIH	Other
								313	PEL	TLV	Limits
7439896	Iron	89							10 mg/m3	5 mg/m3	2,795 F
7429905	Aluminum	<2					X		5 mg/m3	5 mg/m3	1,094 F
0	Lycopodium	9							NE	NE	

**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.

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:

Eyes: Inflammation, redness, watering, itching

Medical Conditions Generally Aggravated by Exposure:

Skin, eye, respiratory

Emergency and First Aid Procedures:

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**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. Keep victim warm and at rest. Seek medical attention.

**Ingestion:** If victim is conscious and alert, give large quantities of water or milk. (Never give anything by mouth to an unconscious person!) Induce vomiting. 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:** NE                      **Lower Explosive Limit:** 0.035                      **Upper Explosive Limit:** NE

**Fire Extinguishing Media:** Dry chemical, sand, graphite--DO NOT use water

**Special Fire Fighting Procedures:**

Wear self-contained breathing apparatus and protective clothing.

**Unusual Fire and Explosion:**

Can pose dust explosion hazard if dispersed in air. May react with water to form combustible hydrogen gas.

### ***VI. Accidental Release Measures:***

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

Wear dust respirator, safety goggles, and rubber gloves. Have sand pails available. Remove all ignition sources (heat, open flame, spark). Stop leak, if without risk. Dike if necessary. Sweep up and place in bag (use a dust suppressant) or vacuum up with HEPA filter equipped instrument. Use non-sparking tools. 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. 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 of dust. Avoid contact with eyes. Wash thoroughly after handling.

**Other Precautions:**

DO NOT wear contact lenses while using this material.

### ***VIII. Exposure Controls/Personal Protection:***

**Ventilation Requirements:**

Use only in well-ventilated areas.

**Personal Protective Equipment:**

Safety goggles, gloves, dust respirator, protective clothing

## MSDS - Material Safety Data Sheet

**Product Name:** *Magnetic Latent Print Powder, Silver/Black*

MSDS No.: SBM9

### IX. Physical and Chemical Properties:

**Boiling Point:** 3,733 F                      **Melting Point:** 1,220 F                      **Evaporation Rate:** N/A  
**Vapor Pressure (mm Hg.):** 1                      **Vapor Density (AIR = 1):** N/A  
**Solubility In Water:** Insoluble  
**Appearance and Odor:** Silver/black powder  
**Other Information:**

### X. Stability and Reactivity:

**Stability:**  
Normally stable

**Incompatibility (Materials to Avoid):**  
Acids, strong alkalis, strong bases, strong oxidizers, iodates, chlorinated hydrocarbons, oxides, nitrites, nitrates, carbon disulfide, chlorides, sodium peroxide + carbon dioxide, sulfur dichloride, palladium, manganese, magnesium + potassium chlorate, sodium carbonate, sulfates, diborane, water, ignition sources (heat, open flame, spark), pure oxygen

**Decomposition/By Products:**  
Combustible hydrogen gas

**Hazardous Polymerization:**  
Will not occur

### 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.

### XII. Ecological Information:

Prevent from entering sewers or waterways. May be toxic to some aquatic life.

### XIII. Disposal Considerations:

Dispose according to local, state, and federal regulations.

### XIV. Transport Information:

Keep in tightly closed container. Keep cool and dry. 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 of dust. Avoid contact with eyes. Wash thoroughly after handling.

### XV. Regulatory Information:

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.

## ***MSDS - Material Safety Data Sheet***

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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.