

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

MSDS No.: SB201L

**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: 01/31/2011

Expiration Date:

Chemical State:  Liquid  Gas  SolidChemical Type:  Pure  Mixture

2	Health
1	Flammability
1	Reactivity
F	Pers. Protection

**II. Ingredients:** Trade Secret

CAS No.	Chemical Name	% Range	EHS		IARC		SARA		OSHA PEL	ACGIH TLV	Other Limits
			NTP		SUB Z	313					
7429905	Aluminum	>12						5 mg/m3	5 mg/m3	1,094 F	
1333864	Carbon black	75						3.5mg/m3	3.5mg/m3	500 F	
0	Lycopodium	12.5						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):

Acute: Severe eye irritant.

Signs and Symptoms:

Eyes: Inflammation, redness, watering, itching

Medical Conditions Generally Aggravated by Exposure:

Skin, eye, respiratory diseases

# *MSDS - Material Safety Data Sheet*

## *Product Name: Hi-Fi Latent Print Powder, Silver/Black*

*MSDS No.: SB201L*

### **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 to induce vomiting. (Never give anything by mouth to an unconscious person!) 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 and 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

**F.P. Method:**

**Fire Extinguishing Media:** Dry chemical, carbon dioxide, foam, dry sand--DO NOT use water

### **Special Fire Fighting Procedures:**

Wear self-contained breathing apparatus and protective clothing. Cool containing vessels with water jet in order to prevent pressure build-up, autoignition, or explosion. Be careful not to get water inside container.

### **Unusual Fire and Explosion:**

May react with water to form combustible hydrogen gas. May not appear to be burning unless material is stirred and sparks are evident. Can pose dust explosion hazard if dispersed in air. Thin layers of dust will autoignite around 500 F.

### ***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. Avoid ignition sources (heat, open flame, spark). Avoid incompatible materials, especially water. Use only in well-ventilated areas. Ground all equipment containing material. Avoid dust generation and accumulation. Avoid inhalation and ingestion. 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:**

# MSDS - Material Safety Data Sheet

## Product Name: Hi-Fi Latent Print Powder, Silver/Black

MSDS No.: SB201L

Safety goggles, gloves, dust respirator, protective clothing

### IX. Physical and Chemical Properties:

**Boiling Point:** NE

**Melting Point:** 3,500 C

**Evaporation Rate (Butyl Acetate = 1):** NE

**Vapor Pressure (mm Hg.):** Nil

**Specific Gravity (H2O = 1):**

**Vapor Density (AIR = 1):** NE

**Solubility In Water:** Insoluble; may react

**Appearance and Odor:** Silver/black powder

**Other Information:**

### X. Stability and Reactivity:

**Stability:**

Stable

**Incompatibility (Materials to Avoid):**

Strong oxidizers, ignition sources (heat, open flame, spark), acids, strong alkalis, strong bases, 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

**Decomposition/By Products:**

Carbon monoxide, carbon dioxide, sulfur oxides, combustible hydrogen gas

**Hazardous Polymerization:**

Does not occur.

### XI. Toxicological Information:

Carcinogenicity

Carbon black

Carbon black has not been listed as a carcinogen by the National Toxicology Program (NTP) or the Occupational Safety and Health Administration (OSHA). The International Agency for Research on Cancer (IARC) has recently reviewed carbon black and published a monograph changing its classification from insufficient evidence to make a determination to possible carcinogen.

### 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 pursuant to 40 CFR part 261 of the Resource Conservation & Recovery Act (RCRA).

### XIV. Transport Information:

Keep in tightly closed container. Keep cool and dry. Avoid ignition sources (heat, open flame, spark). Avoid incompatible materials, especially water. Ground all equipment containing material. Avoid dust generation and accumulation. Avoid inhalation and ingestion. Avoid contact with eyes. Wash thoroughly after handling.

### XV. Regulatory Information:

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

***Product Name: Hi-Fi Latent Print Powder, Silver/Black***

***MSDS No.: SB201L***

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.