

**MSDS - Material Safety Data Sheet****Product Name: HiFi Volcano Latent Print Powder, Silk Black**

MSDS No.: 101L

**I. Basic Information:****Manufacturer:** Sirchie Finger Print Laboratories**Address:** 100 Hunter Place**City, ST Zip:** Youngsville, NC 27596**Country:** USA**Contact:** Tech Support**Information Telephone Number:** 919-554-2244**Emergency Contact:** ChemTrec**Emergency Telephone Number:** 800-424-9300**Emergency Restrictions:****Product Name:** HiFi Volcano Latent Print Powder, Silk Black**MSDS No.:** 101L**Issue Date:** 09/29/2011**Supersedes Date:** Not Available**II. Hazards Identification:****EMERGENCY OVERVIEW**

May be dangerous if ingested. Respiratory tract irritant. Eye and Skin Irritant.

Keep in closed container. Avoid incompatible materials. Use only in well-ventilated areas. Avoid dust generation and accumulation. Wash thoroughly after handling.

**OSHA Regulatory Status**

While this material is not considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200), this MSDS contains valuable information critical to the safe handling and proper use of the product.

**Potential Health Effects****Route(s) of Entry:**

Inhalation, ingestion, skin, eyes

**Health Hazards (Acute and Chronic):**

Acute, Chronic: May be dangerous if ingested. Respiratory tract irritant. Eye and Skin Irritant.

**Signs and Symptoms:**

Irritation, gastric upset

Eyes: Inflammation, redness, watering, itching

**Medical Conditions Generally Aggravated by Exposure:**

Skin, eye, respiratory diseases

**Other Health Warnings:**

Safe when used for its intended purpose.

**Potential Environmental Effects**

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

**III. Composition/Information on Ingredients:**

Chemical Name	CAS No.	% Range	Trade Secret
Carbon black	1333864	<76	
Lycopodium	0	>24	

**IV. First Aid Measures:****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. 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.

### **Note to Physicians:**

None specified

## V. Fire Fighting Measures:

### **Suitable Extinguishing Media:**

Water fog or spray, dry chemical, carbon dioxide, foam

### **Unsuitable Extinguishing Media:**

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

### **Products of Combustion:**

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.

### **Protection of Firefighters:**

Normal turnout gear

## VI. Accidental Release Measures:

### **Personal Precautions:**

Wear dust respirator, safety goggles, and rubber gloves.

### **Environmental Precautions:**

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

### **Methods for Containment:**

Avoid creating dust

### **Methods for Cleanup:**

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

### **Other Information:**

Dispose according to local, state, and federal regulations.

## VII. Handling and Storage:

### **Handling Precautions:**

Keep in tightly closed container. Keep cool and dry. Avoid ignition sources (heat, open flame, spark). Avoid incompatible materials. 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.

### **Storage Precautions:**

None specified

## VIII. Exposure Controls/Personal Protection:

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Chemical Name	OSHA PEL	ACGIH TLV	Other Limits
Carbon black	3.5mg/m <sup>3</sup>	3.5mg/m <sup>3</sup>	500 F
Lycopodium	NE	NE	Not Available

**Engineering Controls:**

Use only in well-ventilated areas.

**Personal Protective Equipment:**

Safety goggles, gloves, dust respirator, protective clothing

**IX. Physical and Chemical Properties:****Boiling Point:** NE**Boiling Range:** Not Available**Solubility In Water:** Insoluble**Flash Point:** NE**Odor Threshold:** Not Available**Vapor Density (AIR = 1):** NE**pH Range:** Not Available**Decomposition Temp:** Not Available**Lower Explosive Limit:** NE**Specific Gravity (H<sub>2</sub>O = 1):** Not Available**Other Information:** Black odorless powder.**Melting Point:** 3,500 C**Freezing Point:** Not Available**Evaporation Rate (Butyl Acetate = 1):** NE**Flash Point Method:** Not Available**Appearance and Odor:** Black odorless powder**Vapor Pressure (mm Hg.):** Nil**Partition Coefficient:** Not Available**Auto-Ignition Temp:** Not Available**Upper Explosive Limit:** NE**X. Stability and Reactivity:****Stability:**

Stable

**Conditions to Avoid:**

None specified

**Incompatible Materials:**

Strong oxidizers, ignition sources (heat, open flame, spark)

**Hazardous Decomposition Products:**

Carbon monoxide, carbon dioxide, sulfur oxides

**Possibility of Hazardous Reactions:**

Does not occur.

**XI. Toxicological Information:**

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.

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

**XII. Ecological Information:**

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

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### 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:

Shipping Name: N/A

DOT Hazard Class: Not Available

DOT Subsidiary Hazard Class: Not Available

UN/NA#: Not Available

Packing Group: Not Available

#### Transportation Information:

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### XV. Regulatory Information:

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

### XVI. Other Information:

Chemical State:  Liquid  Gas  Solid

Chemical Type:  Pure  Mixture

Hazard Category:  
 Acute  Chronic  Fire  
 Pressure  Reactive



#### Additional Manufacturer Warnings:

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

1	Health
0	Flammability
1	Physical Hazard
F	Pers. Protection

#### Additional Product Information:

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.