

MSDS - Material Safety Data Sheet**Product Name: Hi-Fi Volcano Latent Print Powder, Silk Black, Carbon Free****MSDS No.: 101LCF****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:** Hi-Fi Volcano Latent Print Powder, Silk Black, Carbon Free**MSDS No.:** 101LCF**Issue Date:** 09/29/2011**Supersedes Date:** Not Available**II. Hazards Identification:****EMERGENCY OVERVIEW**

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

OSHA Regulatory Status

This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).

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

Inhalation, ingestion, skin, eyes

Health Hazards (Acute and Chronic):

Acute: Irritation to skin and eyes. Chronic: Siderosis

Signs and Symptoms:

Eyes: Inflammation, redness, watering, itching

Medical Conditions Generally Aggravated by Exposure:

Skin, eye, respiratory

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.c life.

III. Composition/Information on Ingredients:

Chemical Name	CAS No.	% Range	Trade Secret
Black iron oxide	1317619	36.5	
Gum arabic	9000015	54.5	
Lycopodium	0	9	

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. (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.

Note to Physicians:

None specified

V. Fire Fighting Measures:

Suitable Extinguishing Media:

Dry chemical, carbon dioxide, water spray or fog, foam

Unsuitable Extinguishing Media:

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

Products of Combustion:

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

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 harmful 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. 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 of dust. Avoid contact with skin, eyes, and clothing. Wash thoroughly after handling and before eating, drinking, or using tobacco products.

Storage Precautions:

Avoid incompatible materials.

VIII. Exposure Controls/Personal Protection:

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Chemical Name	OSHA PEL	ACGIH TLV	Other Limits
Lycopodium	NE	NE	Not Available
Black iron oxide	15 mg/m3	10 mg/m3	140 F
Gum arabic	NE	5 mg/m3	90 C

Engineering Controls:

Use only in well-ventilated areas.

Personal Protective Equipment:

Safety goggles, latex gloves, dust respirator, protective clothing

IX. Physical and Chemical Properties:**Boiling Point:** NE**Boiling Range:** Not Available**Solubility In Water:** Insoluble**Flash Point:** 140 F**Odor Threshold:** Not Available**Vapor Density (AIR = 1):** NE**pH Range:** Not Available**Decomposition Temp:** Not Available**Lower Explosive Limit:** NE**Specific Gravity (H2O = 1):** Not Available**Other Information:** Not Available**Melting Point:** NE**Freezing Point:** Not Available**Evaporation Rate (Butyl Acetate = 1):** NE**Flash Point Method:** Not Available**Appearance and Odor:** Odorless black powder**Vapor Pressure (mm Hg.):** NE**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 oxidizing agents, ignition sources (heat, open flame, spark), combustibles

Hazardous Decomposition Products:

None known

Possibility of Hazardous Reactions:

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.

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 harmful 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:

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 of dust. Avoid contact with skin, eyes, and clothing. Wash thoroughly after handling and before eating, drinking, or using tobacco products.

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.

2	Health
2	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.