

**MSDS - Material Safety Data Sheet****Product Name: Hi-Fi Dual Purpose Latent Print Powder, Black/Green -16 Oz.****MSDS No.: BPP0116****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:** 01/20/2011**Expiration Date:****Chemical State:**  Liquid  Gas  Solid**Chemical 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						
1333864	Carbon black	<47							3.5mg/m3	3.5mg/m3	500 F
Proprietary	Invisible Green	38							NE	1 mg/m3	
0	Lycopodium	>14							NE	NE	

**III. Hazardous Identification:****Hazard Category:** Acute Chronic Fire Pressure Reactive**Hazardous Identification Information:**

May be dangerous if ingested. Respiratory and digestive tract irritant. Skin irritant. Severe eye irritant.

Zinc sulfide (green) contains less than 0.5% copper as part of its chemical structure.

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: Dermatitis

**Signs and Symptoms:**

Inhalation: Coughing, labored breathing

Ingestion: Nausea, vomiting, diarrhea, abdominal pains

Skin: Rash, redness

Eyes: Inflammation, redness, watering, itching

# MSDS - Material Safety Data Sheet

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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 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:** NE

**Upper Explosive Limit:** NE

**F.P. Method:**

**Fire Extinguishing Media:** Water fog or spray, dry chemical, carbon dioxide, foam

**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.

**Unusual Fire and Explosion:**

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. Use only in well-ventilated areas. Ground all equipment containing material. Avoid dust generation and accumulation. DO NOT ingest or inhale. Avoid contact with eyes. Wash thoroughly after handling.

**Other Precautions:**

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## VIII. Exposure Controls/Personal Protection:

### Ventilation Requirements:

Use only in well-ventilated areas.

### Personal Protective Equipment:

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

**Appearance and Odor:** Black odorless powder

**Other Information:**

## X. Stability and Reactivity:

### Stability:

May be unstable at high temperatures in air.

### Incompatibility (Materials to Avoid):

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

### Decomposition/By Products:

Carbon monoxide, carbon dioxide, sulfur oxides, sulfur, hydrogen sulfide

### 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).

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## ***XIV. Transport Information:***

Keep in tightly closed container. Keep cool and dry. Avoid ignition sources (heat, open flame, spark). Avoid incompatible materials. Ground all equipment containing material. Avoid dust generation and accumulation. DO NOT ingest or inhale. 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.

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.