

**MSDS - Material Safety Data Sheet****Product Name: Hi-Fi Dual Purpose Latent Print Powder, White/Green - 8 Oz.****MSDS No.: BPP0028****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:** 01/19/2011**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						
21645512	Alumina hydrate	<3							5 mg/m3	10 mg/m3	
Proprietary	Invisible Green	38							NE	1 mg/m3	
0	Lycopodium	<7							NE	NE	
7631869	Silica, amorphous	<4							80 mg/m3	10 mg/m3	3 mg/m3
13463677	Titanium dioxide	31-38							15 mg/m3	10 mg/m3	5 mg/m3
557051	Zinc stearate	>14							NE	10 mg/m3	350 F

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

May be dangerous if swallowed. 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: Skin drying and cracking, dermatitis

**Signs and Symptoms:**

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Inhalation: Cough, discomfort, difficulty breathing, shortness of breath

Ingestion: Nausea, vomiting, diarrhea, abdominal pains

Skin: Rash, redness

Eyes: Discomfort, tearing, blurry vision, inflammation, redness, itching

**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. (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 and seek medical attention. DO NOT use 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:** >350 F

**Lower Explosive Limit:** NE

**Upper Explosive Limit:** NE

**F.P. Method:**

**Fire Extinguishing Media:** Dry chemical, carbon dioxide, water spray or fog, foam

**Special Fire Fighting Procedures:**

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

**Unusual Fire and Explosion:**

Can pose dust explosion hazard if dispersed in air.

***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. Protect from damage. 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 ingesting and breathing dust. Avoid contact with skin and eyes. Wash thoroughly after handling.

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**Other Precautions:**

## ***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:** N/A

**Melting Point:** N/A

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

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

**Specific Gravity (H<sub>2</sub>O = 1):**

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

**Solubility In Water:** Insoluble

**Appearance and Odor:** Odorless white powder

**Other Information:**

## ***X. Stability and Reactivity:***

**Stability:**

May be unstable at high temperatures in air.

**Incompatibility (Materials to Avoid):**

Ignition sources (heat, open flame, spark), strong oxidizing agents, mineral acids

**Decomposition/By Products:**

Hydrogen sulfide, sulfur

**Hazardous Polymerization:**

Will not occur.

## ***XI. Toxicological Information:***

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

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## ***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.

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

Keep in tightly closed container. Keep cool and dry. Protect from damage. Avoid all ignition sources (heat, open flame, spark). Avoid incompatible materials. Ground all equipment containing material. Avoid dust generation and accumulation. Avoid ingesting and breathing dust. Avoid contact with skin and eyes. Wash thoroughly after handling.

## ***XV. Regulatory Information:***

Alumina hydrate, titanium dioxide, and silica, amorphous, are listed on the TSCA inventory.

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.