

MSDS - Material Safety Data Sheet**Product Name: Hi-Fi Volcano Latent Print Powder, Gold Metallic - 16 Oz.****MSDS No.: BPP8916****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

1	Health
2	Flammability
1	Reactivity
F	Pers. Protection

II. Ingredients: **Trade Secret** (N/D = Not Disclosed)

CAS No.	Chemical Name	% Range	EHS		IARC		SARA		OSHA PEL	ACGIH TLV	Other Limits
			NTP		SUB Z	313					
7440508	Copper	28-38					X		0.1 mg/m3	0.2 mg/m3	
9000015	Gum arabic	60							NE	5 mg/m3	90 C
7440666	Zinc	2-12							5 mg/m3	5 mg/m3	908 C

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

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):

Exposure: Metal-fume fever, metallic taste, discoloration of the skin and hair

Acute exposure: Metallic taste, nasal ulceration and perforation

Chronic: Sensitization dermatitis

Signs and Symptoms:

Acute poisoning: Hemolysis, jaundice, anuria, hypotension, convulsions

Ingestion: Vomiting, collapse

Medical Conditions Generally Aggravated by Exposure:

Skin, eye, respiratory, nasal septum, gastrointestinal, kidney, liver, cardiovascular diseases

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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. Keep victim warm and at rest. Seek medical attention.

Ingestion: If victim is conscious and alert, give large quantities of water or milk. (Never give anything by mouth to an unconscious person!) If vomiting occurs, 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.

Other Health Warnings:

V. Fire Fighting Measures:

Flash Point: >90 C

Lower Explosive Limit: NE

Upper Explosive Limit: NE

F.P. Method:

Fire Extinguishing Media: Carbon dioxide, dry chemical, aqueous foam, water fog

Special Fire Fighting Procedures:

Wear self-contained breathing apparatus and protective clothing.

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

Other Precautions:

DO NOT wear contact lenses while using this product.

VIII. Exposure Controls/Personal Protection:

Ventilation Requirements:

Use only in well-ventilated areas.

Personal Protective Equipment:

Safety goggles, gloves, dust respirator, protective clothing

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IX. Physical and Chemical Properties:

Boiling Point: 1,665 F

Melting Point: 787 F

Evaporation Rate (Butyl Acetate = 1): NE

Vapor Pressure (mm Hg.): N/A

Specific Gravity (H20 = 1):

Vapor Density (AIR = 1): N/A

Solubility In Water: Hydrates to form viscous solution

Appearance and Odor: Odorless gold powder

Other Information:

X. Stability and Reactivity:

Stability:

Stable

Incompatibility (Materials to Avoid):

Ignition sources (heat, open flame, spark), strong alkalis, chlorates, bromates, amines, mineral acids, ammonium salts, selenium, peroxides, sulfur, tellurium, carbon disulfide, chlorine, chlorine trifluoride, chromic anhydride, fluorine, magnesium, iodates, oxides, nitrates, nitrites, chlorides, palladium, manganese, sodium carbonate, sulfates, diborane, chlorinated hydrocarbons

Decomposition/By Products:

Carbon monoxide and dioxide, hydrogen (flammable), copper compounds, zinc compounds

Hazardous Polymerization:

Will not occur.

XI. Toxicological Information:

FLAMMABLE! May be dangerous if ingested. Respiratory 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.

XIV. Transport Information:

Keep in closed container. Keep cool and dry. Avoid incompatible materials. Avoid dust generation and accumulation. Avoid breathing dust. Wash thoroughly after handling.

XV. Regulatory Information:

Copper and zinc are listed on the TSCA inventory.

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XVI. Other Information:

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

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