

**MSDS - Material Safety Data Sheet****Product Name: Hi-Fi Volcano Latent Print Powder, Silk Grey**

MSDS No.: 102L

REC'D APR 12 2006

**I. Basic Information:**

Manufacturer: Sirchie Finger Print Laboratories, Inc.

Address: 100 Hunter Place

City, ST Zip: Youngsville, NC 27596

Emergency Contact: CHEMTREC

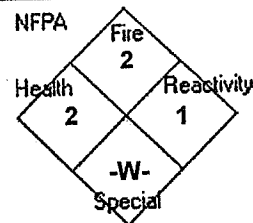
Emergency Telephone Number: 800-424-9300

Contact: Tech Support

Information Telephone Number: 919-554-2244

Last Update: 01/25/2006

Expiration Date:

Chemical State: ☐ Liquid☐ Gas☒ SolidChemical Type: ☐ Pure☒ Mixture

|   |                  |
|---|------------------|
| 2 | Health           |
| 2 | Flammability     |
| 1 | Reactivity       |
| F | Pers. Protection |

**II. Ingredients:**☐ Trade Secret

| CAS No.  | Chemical Name     | % Range | EHF | IARC | SARA 313 | OSHA PEL | ACGIH TLV | Other Limits |
|----------|-------------------|---------|-----|------|----------|----------|-----------|--------------|
| 21645512 | Alumina hydrate   | <4.5    |     |      |          | 5 mg/m3  | 10 mg/m3  |              |
| 7429905  | Aluminum          | >14.5   |     |      |          | 5 mg/m3  | 5 mg/m3   | 1,094 F      |
| 0        | Lycopodium        | 35      |     |      |          | NE       | NE        |              |
| 7631869  | Silica, amorphous | <5      |     |      |          | 80 mg/m3 | 10 mg/m3  | 3 mg/m3      |
| 13463677 | Titanium dioxide  | 40-49   |     |      |          | 15 mg/m3 | 10 mg/m3  | 5 mg/m3      |

**III. Hazardous Identification:**

Hazard Category:

☒ Acute☒ Chronic☐ Fire☐ Pressure☐ Reactive

Hazardous Identification Information:

Flammable. May be dangerous if ingested. 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):

Chronic: Skin drying and cracking

Signs and Symptoms:

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

Skin: Rash

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

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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. 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!) 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 immediately. 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:** NE**Lower Explosive Limit:** 0.035**Upper Explosive Limit:** NE**F.P. Method:****Fire Extinguishing Media:** Dry sand, carbon dioxide, foam—DO NOT use water**Special Fire Fighting Procedures:**

Wear self-contained breathing apparatus and protective clothing. Water may be ineffective, but may be used to cool fire-exposed containers in order to prevent pressure build-up, autoignition, or explosion.

**Unusual Fire and Explosion:**

Can pose dust explosion hazard if dispersed in air. May react with water to form combustible hydrogen gas.

**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 ingestion and breathing dust. Avoid contact with eyes. Wash thoroughly after handling.

**Other Precautions:**

Contact lenses should not be worn while using this product.

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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: 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): 3.80000

Vapor Density (AIR = 1): NE

Solubility in Water: Insoluble

Appearance and Odor: Fine grey powder; no odor

**Other Information:****X. Stability and Reactivity:****Stability:**

Stable

**Incompatibility (Materials to Avoid):**

Water, acids, strong alkalis, strong bases, strong oxidizers, iodates, chlorinated hydrocarbons, oxides, nitrites, nitrates, carbon disulfide, chlorides, sodium peroxide + carbon dioxide, sulfur dichloride, palladium, manganese, magnesium + potassium chlorate, sodium carbonate, sulfates, diborane, ignition sources (heat, open flame, spark)

**Decomposition/By Products:**

Combustible hydrogen gas

**Hazardous Polymerization:**

Does not occur.

**XI. Toxicological Information:****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 tightly closed container. Keep cool and dry. Protect from damage. Avoid all ignition sources (heat, open flame, spark). Avoid incompatible materials, especially water. Ground all equipment containing material. Avoid dust generation and accumulation. Avoid ingestion and breathing dust. Avoid contact with eyes. Wash thoroughly after handling.

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Titanium dioxide, alumina hydrate, 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.