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## ***Material Safety Data Sheets***

### **The Mystery of Lyle and Louise Fingerprint Analysis**

**This document contains GHS safety data sheets for the following kit items:**

- **Ink Pad**
- **Dusting Powder**

## Safety Data Sheet

Crosscutting Concepts, LLC · P.O. Box 349 · Huntington, WV 25708

Phone: 888-221-4344 · Fax: 888-221-4344, Ext. 804

### Section 1 - Chemical Product and Company Identification

Name: Thermoplastic Fingerprint Ink Pad, Stain-Free

Manufacturer: Sirchie Finger Print Laboratories

Address: 100 Hunter Place

City, ST Zip: Youngsville, NC 27596

Chemtrec Phone: 800-424-9300

National Response Center (emergency use): 800-424-8802

Product Use: Laboratory Reagent

### Section 2 - Hazard Identification

Emergency Overview

When used as intended, there are no hazards associated with this product.

Effects of overexposure:

Inhalation: No information found.

Ingestion: No information found.

Skin Contact: No information found.

Eye Contact: No information found.

Chronic Exposure: No information found.

Aggravation of Pre-existing Conditions: No information found.

### Section 3 - Composition / Information on Ingredients

<u>Ingredient</u>	<u>CAS No.</u>	<u>Percent</u>
2-Pyrrolidinone, 1,-Ethenylhexadecyl, Homopolymer	63231-81-2	23%
Heavy Naphtenic Hydrotreated distillate	64742525	69%
Hydrotreated Petroleum Distillate	64742467	8%

### Section 4 - First Aid Measures

Inhalation: N/A

Ingestion: DO NOT induce vomiting. Drink several glasses of water or milk. Contact a physician.

Skin Contact: Wash with soap and water.

Eye Contact: Immediately flush eyes with plenty of water for at least 15 minutes, lifting lower and upper eyelids occasionally.

### Section 5 - Fire-Fighting Measures

Fire: Not considered to be a fire hazard.

Explosion: Not considered to be an explosion hazard.

Fire Extinguishing Media: Use any means suitable for extinguishing surrounding fire.

Special Information: Use protective clothing and breathing equipment appropriate for the surrounding fire.

### Section 6 - Accidental Release Measures

Due to the liquid in this product being fully absorbed into the ink pad, spill is unlikely. Should a small amount be spilled, clean up with absorbent material, soap and water.

### Section 7 - Handling and Storage

Handling Procedures and Equipment: Keep in a tightly closed container. Protect against physical damage.

Storage requirements: Cool, dry, ventilated area.

### **Section 8 - Exposure Controls / Personal Protection**

OSHA Permissible Exposure Limit: None established  
ACGIH Threshold Limit Value: None established  
Airborne Exposure Limits: None established.  
No special ventilation required.

### **Section 9 - Physical and Chemical Properties**

Appearance: White granules or powder  
Odor: No odor  
Odor Threshold: N/A  
pH: No information found.  
Melting Point: No information found.  
Boiling Point: No information found.  
Flash Point: No information found.  
Evaporation Rate (BuAc=1): No information found.  
Flammability: Nonflammable  
Flammability/explosive limits: No information found.  
Vapor Pressure (mm Hg): No information found.  
Vapor Density (Air=1): No information found.  
Relative Density: 1  
Solubility: Insoluble in water  
Partition Coefficient: No information found.  
Auto-ignition Temperature: No information found.  
Decomposition Temperature: No information found.  
Viscosity: N/A

### **Section 10 - Stability and Reactivity**

Reactivity: No information found.  
Stability: Stable under ordinary conditions of use and storage.  
Hazardous Reactions: No information found.  
Conditions to Avoid: Air, moisture, and incompatible materials.  
Incompatible Materials: Strong oxidizing agents  
Hazardous Decomposition Products: Oxides of carbon and nitrogen  
Hazardous Polymerization: Will not occur.

### **Section 11- Toxicological Information**

ORAL: LD50 Rat > 64,000 MG/KG  
DERMAL: No data found  
INHALATION: No data found.  
IRRITATION: Skin and eyes: slight.  
OSHA: Non-carcinogenic  
IARC: Non-carcinogenic

### **Section 12 - Ecological Information**

No information available.

### **Section 13 - Disposal Considerations**

Whatever cannot be saved for recovery or recycling should be managed in an appropriate and approved waste disposal facility. Processing, use or contamination of this product may change the waste management options. State and local disposal regulations may differ from federal. Dispose of container and unused contents in accordance with federal, state, and local requirements.

### **Section 14 - Transport Information**

IATA: Not regulated  
DOT: Not regulated

**Section 15 - Regulatory Information**

Not regulated

**Section 16 - Other Information**

Updated May 25, 2015

WHMIS: SDS prepared according to hazard criteria of controlled products regulations (CPR) and SDS contains all information required by CPR and GHS.

The above information has been developed based upon currently available scientific data. New information may be developed from time to time which may render the conclusions of this report obsolete. Therefore, no warranty is extended as to the applicability of this information to the user's intended purpose or for the consequences of its use or misuse. The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. Crosscutting Concepts, LLC shall not be held liable for any damage resulting from handling or from contact with the above product.

## Safety Data Sheet

Crosscutting Concepts, LLC · P.O. Box 349 · Huntington, WV 25708

Phone: 888-221-4344 · Fax: 888-221-4344, Ext. 804

### Section 1 - Chemical Product and Company Identification

Name: HiFi Volcano Latent Print Powder, Silk Black

Manufacturer: Sirchie Finger Print Laboratories

Address: 100 Hunter Place

City, ST Zip: Youngsville, NC 27596

Chemtrec Phone: 800-424-9300

National Response Center (emergency use): 800-424-8802

Product Use: Laboratory Reagent

### Section 2 - Hazard Identification

SKIN CORROSION/IRRITANT Category 3. WARNING: Causes mild skin irritation. Causes eye and respiratory irritation.

#### Emergency Overview

When used as intended, there are no significant hazards associated with this product. Avoid dust generation. Wash thoroughly after handling.

Effects of overexposure:

Inhalation: Respiratory tract irritant

Ingestion: May be dangerous if ingested.

Skin Contact: Skin irritant

Eye Contact: Eye irritant

Chronic Exposure: May develop acute irritation

Aggravation of Pre-existing Conditions: No information found.

### Section 3 - Composition / Information on Ingredients

<u>Ingredient</u>	<u>CAS No.</u>	<u>Percent</u>
Carbon black	1333864	> 76%
Lycopodium	N/A	< 24%

### Section 4 - First Aid Measures

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 Contact: Wash with soap and water. If irritation occurs, seek medical attention.

Eye Contact: Immediately flush eyes with plenty of water for at least 15 minutes, lifting lower and upper eyelids occasionally.

### Section 5 - Fire-Fighting Measures

Fire: Not considered to be a fire hazard.

Explosion: If dispersed in air, may become an explosive hazard. Allow dust to settle.

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

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

Special Fire Fighting Procedures:

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.

#### **Section 6 - Accidental Release Measures**

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.

#### **Section 7 - Handling and Storage**

Handling Procedures and Equipment: 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. Avoid inhalation and ingestion. Avoid contact with eyes. Wash thoroughly after handling.

Storage requirements: Cool, dry, ventilated area.

#### **Section 8 - Exposure Controls / Personal Protection**

OSHA Permissible Exposure Limit: None established

ACGIH Threshold Limit Value: None established

Airborne Exposure Limits: None established.

Use only in well-ventilated areas. Wear safety goggles, gloves, dust respirator, protective clothing.

#### **Section 9 - Physical and Chemical Properties**

Appearance: Black powder

Odor: No odor

Odor Threshold: N/A

pH: No information found.

Melting Point: 3,500 C

Boiling Point: No information found.

Flash Point: No information found.

Evaporation Rate (BuAc=1): No information found.

Flammability: Nonflammable

Flammability/explosive limits: No information found.

Vapor Pressure (mm Hg): No information found.

Vapor Density (Air=1): No information found.

Relative Density: 1

Solubility: Insoluble in water

Partition Coefficient: No information found.

Auto-ignition Temperature: No information found.

Decomposition Temperature: No information found.

Viscosity: N/A

#### **Section 10 - Stability and Reactivity**

Reactivity: No information found.

Stability: Stable under ordinary conditions of use and storage.

Hazardous Reactions: No information found.

Conditions to Avoid: Air, moisture, and incompatible materials.

Incompatible Materials: Strong oxidizing agents, ignition sources

Hazardous Decomposition Products: Oxides of carbon and sulfur

Hazardous Polymerization: Will not occur.

#### **Section 11- Toxicological Information**

ORAL: No data found

DERMAL: No data found

INHALATION: No data found.

IRRITATION: Skin and eyes: slight.

OSHA: Non-carcinogenic  
IARC: Possible carcinogen

**Section 12 - Ecological Information**

No information available.

**Section 13 - Disposal Considerations**

Dispose according to local, state, and federal regulations pursuant to 40 CFR part 261 of the Resource Conservation & Recovery Act (RCRA).

**Section 14 - Transport Information**

IATA: Not regulated  
DOT: Not regulated

**Section 15 - Regulatory Information**

Lycopodium is hazardous by definition of OSHA Hazard Communication Standard (29 CFR 1910.1200).

**Section 16 - Other Information**

Updated May 25, 2015

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