

**MSDS - Material Safety Data Sheet****Product Name: Magnetic Latent Print Powder, Grey - 128 Oz.****MSDS No.: BPM117L128****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

1	Health
1	Flammability
1	Reactivity
E	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				
1309371	Iron oxide	87.5							5mg/m3	10mg/m3	
13463677	Titanium dioxide	12.5							15 mg/m3	10 mg/m3	5 mg/m3

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

Respiratory tract irritant. May cause siderosis. Skin and eye irritant.

**IV. First Aid Measures:****Route(s) of Entry:**

Inhalation, ingestion, skin, eyes

**Health Hazards (Acute and Chronic):**

Chronic: Skin drying and cracking. Prolonged inhalation of iron dust is known to produce a condition known as siderosis. On x-rays, it appears to be a benign pneumoconiosis, and is not associated with pulmonary fibrosis or disability unless there is concurrent exposure to other fibrosis-producing materials such as silica.

**Signs and Symptoms:**

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

Skin: Rash

Eyes: Discomfort, tearing, blurry vision

**Medical Conditions Generally Aggravated by Exposure:**

Skin, eye, respiratory 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. 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 and seek medical attention.

## **Other Health Warnings:**

## ***V. Fire Fighting Measures:***

**Flash Point:** NE

**Lower Explosive Limit:** NE

**Upper Explosive Limit:** NE

**F.P. Method:**

**Fire Extinguishing Media:** Dry chemical, sand, graphite

## **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. Protect from damage. Avoid incompatible materials. Use only in well-ventilated areas. Avoid dust generation and accumulation. Avoid breathing Caution:

Wear of safety goggles is recommended when handling this product.dust. Wash thoroughly after handling.

### **Other Precautions:**

## ***VIII. Exposure Controls/Personal Protection:***

### **Ventilation Requirements:**

Use only in well-ventilated areas.

### **Personal Protective Equipment:**

Safety goggles, gloves, dust respirator

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## ***IX. Physical and Chemical Properties:***

**Boiling Point:** NE

**Melting Point:** 2,795 F

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

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

**Specific Gravity (H2O = 1):**

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

**Solubility In Water:** Insoluble

**Appearance and Odor:** Fine, odorless grey powder

**Other Information:**

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

**Stability:**

Normally stable

**Incompatibility (Materials to Avoid):**

Ignition sources (heat, open flame, spark), pure oxygen, strong oxidizers

**Decomposition/By Products:**

**Hazardous Polymerization:**

Will not occur.

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

Prolonged inhalation of iron oxide dust is known to produce a condition known as siderosis. On x-rays, it appears to be a benign pneumoconiosis, and is not associated with pulmonary fibrosis or disability unless there is concurrent exposure to other fibrosis-producing materials such as silica. The TLV is set to protect against siderosis.

## ***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. Protect from damage. Avoid incompatible materials. Avoid dust generation and accumulation. Avoid breathing dust. Wash thoroughly after handling.

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

Titanium dioxide, and silica, amorphous, are listed on the TSCA inventory.

## ***XVI. Other Information:***

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

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