

# MSDS - Material Safety Data Sheet

**Product Name: EVIDENT Black Magnetic Fingerprint Powder**

**I. Basic Information:**

Manufacturer: EVIDENT  
 Address: 739 Brooks Mill Rd  
 City, ST, ZIP: Union Hall, VA 24176  
 Telephone: 800-576-7606  
 Contact: Technical Support



Last Update: 06/23/2010      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	<100							5mg/m3	10mg/m3	

**III. Hazardous Identification:**

Hazard Category:  
 Acute       Chronic       Fire       Pressure       Reactive

Hazardous Identification Information:  
 Respiratory tract irritant. Skin and eye irritant. May cause siderosis.

**IV. First Aid Measures:**

Route(s) of Entry:  
 Inhalation, ingestion, skin, eyes

Health Hazards (Acute and Chronic):  
 Chronic: Siderosis

Signs and Symptoms:

Medical Conditions Generally Aggravated by Exposure:  
 Skin, eye, respiratory diseases

Emergency and First Aid Procedures:

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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. Avoid incompatible materials. Use only in well-ventilated areas. Avoid dust generation and accumulation. Wash thoroughly after handling.

Caution: Wear of safety goggles is recommended when handling this product.

#### **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: NE

Appearance and Odor: Black powder; no odor

Other Information:

### X. Stability and Reactivity:

Stability:

Normally stable

Incompatibility (Materials to Avoid):

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. Avoid incompatible materials. Avoid dust generation and accumulation. Wash thoroughly after handling.

### XV. Regulatory Information:

### XVI. Other Information:

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

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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.