



MATERIAL SAFETY DATA SHEET

Section 1 – PRODUCT AND SAFETY SUPPLIER INFORMATION

Product Name: Black Magnetic Powder
Common Name: Latent Fingerprint Powder
Supplier: Lightning Powder Company, Inc.
13386 International Parkway, Jacksonville, FL 32218
Emergency Telephone: CHEM-TEL, INC. 1-800-255-3924 or 813-248-0585 (call collect)
Date Prepared: January 20, 2003

Section 2 – HAZARDOUS INGREDIENTS

| <u>Ingredient</u> | <u>CAS#</u> | <u>Percent</u> | <u>PEL (OSHA)</u> | <u>TLV (ACGIH)</u> |
|---------------------------------|-------------|----------------|----------------------|----------------------|
| Iron Powder | 7439-89-6 | 87.5 | 15 mg/m ³ | 15 mg/m ³ |
| Trade Secret as defined by OSHA | | | | |
| 29 CFR 1910.1200 Appendix D | | 12.5 | 5 mg/m ³ | 3 mg/m ³ |

Section 3 – PHYSICAL/CHEMICAL PROPERTIES

Appearance and Odor: Fine, dark gray powder with no odor.
Specific Gravity: 7.5525 Solubility in Water: Insoluble
Boiling Point: n/a Melting Point: n/a
Vapor Density: n/a Vapor Pressure (mmHg): n/a
Evaporation Rate: n/a Percent Volatile: 0

Section 4 – FIRE AND EXPLOSION DATA

Flash Point: n/a UEL: Not available LEL: Not available
Extinguishing Media: Dry chemical powder, water spray or fog.
Firefighting Procedures: Cool containers with water jet.
Unusual Fire and Explosion Hazards: Material is capable of creating a dust explosion.

Section 5 – REACTIVITY DATA

Stability: Yes Hazardous Polymerization: No



Incompatibilities: Oxidizing agents, acids, moisture.
Hazardous Decomposition Products: None known or expected.

Section 6 – HEALTH HAZARD INFORMATION

Health Hazards: Material acts as nuisance dust.
Routes of Entry and First-Aid Procedures:
Eyes: Rinse with water for at least 15 minutes.
Inhalation: Move affected person to fresh air.
Skin: Wash with plenty of soap and water.
Ingestion: Give water or milk to drink. Call a physician.
Signs and Symptoms of Exposure: Irritation of eyes, skin, respiratory tract.
Medical Conditions Aggravated by Exposure: Respiratory, eye, and skin disorders.

Section 7 – EXPOSURE CONTROLS

Respirator Protection: NIOSH approved for nuisance dust.
Ventilation: Use local exhaust to maintain levels below exposure limits.
Protective Gloves: Rubber or cotton. Eye Protection: Safety glasses or goggles.
Other Protective Equipment: Labcoat or apron, hat.
Work and Hygienic Practices: Always wash thoroughly after use.

Section 8 – SPILL OR LEAK PROCEDURES

Steps to be taken if material is spilled or released: Recycle for reuse if possible. Use appropriate tools to transfer material into a waste disposal container.
Waste Disposal Method: Not listed as hazardous waste on 40 CFR 261.33.

Section 9 – PRECAUTIONS FOR SAFE HANDLING AND USE

Special Precautions: Avoid creating dusty conditions in the presence of ignition sources.
Storage Method: Keep tightly closed in a cool, dry location.

Section 10 – TOXICOLOGICAL DATA

Carcinogenicity:
NPT: No OSHA: No IARC: No
Acute Inhalation LC50: No data available.
Acute Dermal LD50: No data available.
Acute Oral LD50: > 5g/kg



Section 11 – ECOLOGICAL DATA

Ecological injuries are not known or expected under normal use.

Section 12 – TRANSPORTATION IDENTIFICATION

Proper Shipping Name: [Not regulated](#)

Identification Number: [N/A](#)

Hazard Class: [N/A](#)

Packing Group: [N/A](#)