

MSDS - Material Safety Data Sheet**Product Name: Magnetic Latent Print Powder, Silver/Red (Also covers BPMSBM12)****MSDS No.: SBM12****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:** 02/02/2011**Expiration Date:****Chemical State:** Liquid Gas Solid**Chemical Type:** Pure Mixture

1	Health
2	Flammability
1	Reactivity
F	Pers. Protection

II. Ingredients: Trade Secret

CAS No.	Chemical Name	% Range	EHS		IARC		SARA 313		OSHA PEL	ACGIH TLV	Other Limits
			NTP		SUB Z						
7429905	Aluminum	<2							5 mg/m3	5 mg/m3	1,094 F
1103384	Barium lithol red	0.8-1.6							5 mg/m3	NE	
7439896	Iron	80-81							10 mg/m3	5 mg/m3	2,795 F
0	Rocket red AX pigment	16							15 mg/m3	15 mg/m3	

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

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

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: Siderosis

Signs and Symptoms:**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. Keep victim warm and at rest. Seek medical attention.

Ingestion: If victim is conscious and alert, give large quantities of water. (Never give anything by mouth to an unconscious person!) DO NOT induce vomiting. If vomiting occurs, 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: 0.035

Upper Explosive Limit: NE

F.P. Method:

Fire Extinguishing Media: Dry chemical, sand, graphite--DO NOT use water

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. 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 closed container. Keep cool and dry. Avoid ignition sources (heat, open flame, spark). Avoid incompatible materials, especially water. Use only in well-ventilated areas. Avoid dust generation and accumulation. Avoid breathing dust. 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:

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Safety goggles, gloves, dust respirator, protective clothing

IX. Physical and Chemical Properties:

Boiling Point: 3,733 F

Melting Point: 1,220 F

Evaporation Rate (Butyl Acetate = 1): NE

Vapor Pressure (mm Hg.): 1

Specific Gravity (H2O = 1):

Vapor Density (AIR = 1): NE

Solubility In Water: Insoluble

Appearance and Odor: Odorless silver/red powder

Other Information:

X. Stability and Reactivity:

Stability:

Normally stable

Incompatibility (Materials to Avoid):

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

Decomposition/By Products:

Carbon monoxide and dioxide, nitrogen oxides, sulfur oxides, combustible hydrogen gas

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.

Rocket red AX pigment contains less than 0.1% free formaldehyde and may be capable of outgassing formaldehyde at levels in excess of OSHA's action level under some conditions of use.

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. Keep cool and dry. Avoid ignition sources (heat, open flame, spark). Avoid incompatible materials, especially water. Avoid dust generation and accumulation. Avoid breathing dust. Wash thoroughly after handling.

XV. Regulatory Information:

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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.