

NA500 #

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# BPM114L Magnetic Latent Print powder, Regular Black, 16 oz

## Safety Data Sheet

According to Federal Register / Vol. 77, No. 98 / Monday, March 26, 2012 / Rules and Regulations

### SECTION 1: Identification

**1.1 Identification**  
 Product form : Substance  
 Substance name : BPM114L Magnetic Latent Print powder, Regular Black, 16 oz  
 Product code : BPM114L; BPM114L128

**1.2 Relevant identified uses of the substance or mixture and uses advised against**  
 Use of the substance/mixture : Latent fingerprint powder

**1.3 Details of the supplier of the safety data sheet**  
 SIRCHIE  
 100 Hunter Place  
 Youngsville, NC 27596 - USA  
 T 919-554-2244; 800-356-7311 - F 919-554-2266; 800-899-8181  
<http://www.sirchie.com>

**1.4 Emergency telephone number**  
 Emergency number : 1.800.424.9300  
 CHEMTREC: 1.800.424.9300

### SECTION 2: Hazard(s) identification

**2.1 Classification of the substance or mixture**  
 GHS-US classification  
 Not classified

**2.2 Label elements**  
 GHS-US labeling  
 No labeling applicable

**2.3 Other hazards**  
 No additional information available

**2.4 Unknown acute toxicity (GHS-US)**  
 Not applicable

### SECTION 3: Composition/Information on ingredients

**3.1 Substance**  
 Substance type : Mono-constituent  
 Name : BPM114L Magnetic Latent Print powder, Regular Black, 16 oz

Name	Product Identifier	%	GHS-US classification
Iron(III) oxide	(CAS No) 1309-37-1	100	Not classified

Full text of H-phrases: see section 16

**3.2 Mixture**  
 Not applicable

### SECTION 4: First aid measures

**4.1 Description of first aid measures**

First-aid measures general : Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).

First-aid measures after Inhalation : Allow victim to breathe fresh air. Allow the victim to rest.

First-aid measures after skin contact : Remove affected clothing and wash all exposed skin area with mild soap and water, followed by warm water rinse.

First-aid measures after eye contact : Rinse immediately with plenty of water. Obtain medical attention if pain, blinking or redness persist.

First-aid measures after ingestion : Rinse mouth. Do NOT induce vomiting. Obtain emergency medical attention.

**4.2 Most important symptoms and effects, both acute and delayed**  
 Symptoms/Injuries : Not expected to present a significant hazard under anticipated conditions of normal use.



418 N. Buchanan Circle, STE 17  
 Pacheco, CA 94663  
[www.csiforensic.com](http://www.csiforensic.com)  
 800 227-6020



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### 8.3. Indication of any immediate medical attention and special treatment needed

No additional information available

## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

Suitable extinguishing media : Foam, Dry powder, Carbon dioxide, Water spray, Sand.  
Unsuitable extinguishing media : Do not use a heavy water stream.

### 5.2. Special hazards arising from the substance or mixture

Reactivity : No reactivity hazard other than the effects described in sub-sections below.

### 5.3. Advice for firefighters

Firefighting instructions : Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent fire-fighting water from entering environment.  
Protection during firefighting : Do not enter fire area without proper protective equipment, including respiratory protection.

## SECTION 6: Accidental release measures

### 6.1. Personal precautions, protective equipment and emergency procedures

8.1.1. For non-emergency personnel  
Emergency procedures : Evacuate unnecessary personnel.

8.1.2. For emergency responders  
Protective equipment : Equip cleanup crew with proper protection.  
Emergency procedures : Ventilate area.

### 6.2. Environmental precautions

Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.

### 6.3. Methods and material for containment and cleaning up

Methods for cleaning up : On land, sweep or shovel into suitable containers. Minimize generation of dust. Store away from other materials.

### 6.4. Reference to other sections

See Heading 8, Exposure controls and personal protection.

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

Precautions for safe handling : Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Provide good ventilation in process area to prevent formation of vapor.

### 7.2. Conditions for safe storage, including any incompatibilities

Storage conditions : Keep only in the original container in a cool, well ventilated place away from : Keep container closed when not in use.  
Incompatible products : Strong bases, Strong acids.  
Incompatible materials : Sources of ignition, Direct sunlight.

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

BPM114L Magnetic Latent Print powder, Regular Black, 16 oz		
ACGIH	ACGIH TWA (mg/m <sup>3</sup> )	10 mg/m <sup>3</sup>
OSHA	OSHA PEL (TWA) (mg/m <sup>3</sup> )	5 mg/m <sup>3</sup>
Iron(III) oxides (1309-37-1)		
ACGIH	ACGIH TWA (mg/m <sup>3</sup> )	5 mg/m <sup>3</sup> (Iron oxide (Fe <sub>2</sub> O <sub>3</sub> ); USA; Time-weighted average exposure limit 8 h; TLV - Adopted Value; Respirable fraction)
Not applicable		

### 8.2. Exposure controls

Appropriate engineering controls : Ensure exposure is below occupational exposure limits (where available).



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Personal protective equipment : Dust formation; dust mask. Gloves. Safety glasses. Avoid all unnecessary exposure.



Hand protection : Wear protective gloves.  
Eye protection : Chemical goggles or safety glasses.  
Respiratory protection : Wear appropriate mask.  
Other Information : Do not eat, drink or smoke during use.

### SECTION 9: Physical and chemical properties

#### 9.1 Information on basic physical and chemical properties

Physical state : Solid  
Appearance : Powders,  
Color : Black  
Odor : odorless characteristic  
Odor threshold : No data available  
pH : No data available  
Melting point : No data available  
Freezing point : No data available  
Boiling point : No data available  
Flash point : No data available  
Relative evaporation rate (butyl acetate=1) : No data available  
Flammability (solid, gas) : No data available  
Explosion limits : No data available  
Explosive properties : No data available  
Oxidizing properties : No data available  
Vapor pressure : No data available  
Relative density : No data available  
Relative vapor density at 20 °C : No data available  
Solubility : Water: Solubility in water of component(s) of the mixture :  
- iron(III) oxide: < 0.1 g/100ml  
Log Pow : No data available  
Auto-ignition temperature : No data available  
Decomposition temperature : No data available  
Viscosity : No data available  
Viscosity, kinematic : No data available  
Viscosity, dynamic : No data available

#### 9.2 Other Information

No additional information available

### SECTION 10: Stability and reactivity

#### 10.1 Reactivity

No reactivity hazard other than the effects described in sub-sections below.

#### 10.2 Chemical stability

Stable under recommended handling and storage conditions (see section 7).

#### 10.3 Possibility of hazardous reactions

No reactivity hazard other than the effects described in sub-sections below.

#### 10.4 Conditions to avoid

Direct sunlight. Extremely high or low temperatures.

#### 10.5 Incompatible materials

Strong acids. Strong bases.



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### 10.6 Hazardous decomposition products

fume, Carbon monoxide, Carbon dioxide.

## SECTION 11: Toxicological information

### 11.1 Information on toxicological effects

Acute toxicity : Not classified

#### Iron(III) oxide (1309-37-1)

LD50 oral rat > 5000 mg/kg (Rat; Literature study)

Skin corrosion/irritation : Not classified

Serious eye damage/irritation : Not classified

Respiratory or skin sensitization : Not classified

Germ cell mutagenicity : Not classified

Based on available data, the classification criteria are not met

Carcinogenicity : Not classified

#### Iron(III) oxide (1309-37-1)

IARC group 3 - Not classifiable

Reproductive toxicity : Not classified

Based on available data, the classification criteria are not met

Specific target organ toxicity (single exposure) : Not classified

Specific target organ toxicity (repeated exposure) : Not classified

Aspiration hazard : Not classified

Potential Adverse human health effects and symptoms : Based on available data, the classification criteria are not met.

## SECTION 12: Ecological information

### 12.1 Toxicity

#### Iron(III) oxide (1309-37-1)

LC50 fish 1 > 1000 mg/l (LC50, 48 h)

### 12.2 Persistence and degradability

#### BPM114L Magnetic Latent Print powder, Regular Black, 16 oz

Persistence and degradability Not established.

#### Iron(III) oxide (1309-37-1)

Persistence and degradability Biodegradability: not applicable. Adsorbs into the soil.

Biochemical oxygen demand (BOD) Not applicable

Chemical oxygen demand (COD) Not applicable

ThOD Not applicable

### 12.3 Bioaccumulative potential

#### BPM114L Magnetic Latent Print powder, Regular Black, 16 oz

Bioaccumulative potential Not established.

#### Iron(III) oxide (1309-37-1)

Bioaccumulative potential No bioaccumulation data available.

### 12.4 Mobility in soil

No additional information available

### 12.5 Other adverse effects

Effect on the global warming : No known ecological damage caused by this product.

Other information : Avoid release to the environment.



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### SECTION 13: Disposal considerations

#### 13.1 Waste treatment methods

- Waste disposal recommendations : Dispose in a safe manner in accordance with local/national regulations.  
Ecology - waste materials : Avoid release to the environment.

### SECTION 14: Transport information

#### Department of Transportation (DOT)

In accordance with DOT

Not regulated for transport

#### TDG

No additional information available

#### Transport by sea

No additional information available

#### Air transport

No additional information available

### SECTION 15: Regulatory information

#### 15.1 US Federal regulations

No additional information available

#### 15.2 International regulations

##### CANADA

No additional information available

##### EU-Regulations

No additional information available

##### National regulations

No additional information available

#### 15.3 US State regulations

No additional information available

### SECTION 16: Other information

#### Data sources

: REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 December 2008 on classification, labeling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006.

#### Training advice

: Normal use of this product shall imply use in accordance with the instructions on the packaging. Keep in tightly closed container. Keep cool and dry. Avoid all ignition sources - heat, open flame, sparks. Avoid incompatible materials. Avoid dust creation and accumulation. Avoid inhalation and ingestion. Avoid contact with eyes. Wash thoroughly after handling.

#### Other information

: None.

#### NFPA health hazard

: 1 - Exposure could cause irritation but only minor residual injury even if no treatment is given.

#### NFPA fire hazard

: 1 - Must be preheated before ignition can occur.

#### NFPA reactivity

: 1 - Normally stable, but can become unstable at elevated temperatures and pressures or may react with water with some release of energy, but not violently.



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### HMIS III Rating

- |                     |  |
|---------------------|--|
| Health              | : 1 Slight Hazard - Irritation or minor reversible injury possible   |
| Flammability        | : 1 Slight Hazard - Materials that must be preheated before ignition will occur. Includes liquids, solids and semi solids having a flash point above 200 F. (Class IIIB)   |
| Physical            | : 1 Slight Hazard - Materials that are normally stable but can become unstable (self-react) at high temperatures and pressures. Materials may react non-violently with water or undergo hazardous polymerization in the absence of inhibitors. |
| Personal Protection | : E<br>E - Safety glasses, Gloves, Dust respirator   |

### SDS US (GHS HazCom 2012)

*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.*