

Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

Revision date:01/05/2015

Supersedes:02/02/2011

Version:

SECTION 1: Identification of the substance/mixture and of the company/undertaking

14. Product identifier

Product form : Mixture

Product name. : Magnetic Latent Print powder, Silver/Gray

Product code : BPMSBM10

1,2. Relevant identified uses of the substance or mixture and uses advised against

Use of the substance/preparation : Latent fingerprint powder

1.3. Details of the supplier of the safety data sheet

SIRCHIE Finger Print Laboratories

100 Hunter Place

27596 Youngsville, NC - 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

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification (GHS-US)

Flam. Sol. 2

H228 H319

Eye Irrit. 2A

2.2. Label elements

IS-US labeling

Hazard pictograms (GHS-US)



GHS02

GHS07

Signal word (GHS-US) : Warning

Hazard statements (GHS-US) : H228 - Flammable solid

H319 - Causes serious eye irritation

If this product is used as indicated it is unlikely that any adverse health issues will occur . Inhalation or ingestion of significant amounts may cause respiratory irritation and/or gastric

disturbances.

Precautionary statements (GHS-US) : P210 - Keep away from open flames, sparks. - No smoking.

P240 - Ground/bond container and receiving equipment

P241 - Use explosion-proof electrical, lighting, ventilating equipment.

P264 - Wash all exposed skin thoroughly after handling.

P280 - Wear eye protection, protective gloves.

P305+P351+P338 - If in eyes: Rinse cautiously with water for several minutes. Remove contact

lenses, if present and easy to do. Continue rinsing.

P337+P313 - If eye irritation persists: Get medical advice/attention

P370+P378 - In case of fire: Use CO2, dry chemical, foam, water spray for extinction.

2.3. Other hazards

Other hazards not contributing to the

classification

: None under normal conditions.

2.4. Unknown acute toxicity (GHS US)

No data available

SECTION 3: Composition/information on ingredients

1. Substances

.ut applicable

3.2 Mixtures

Name	Productidentifier	%	-Classification (GHS-US)
iron, powder	(CAS No.)7439-89-6	100	Flam. Sol. 2, H228 Eye Irrit. 2A, H319

Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

ECTION 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 : Assure fresh air breathing. 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.

4.3. 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. Avoid (reject) fire-fighting water to enter environment.

Protection during firefighting : Do not enter fire area without proper protective equipment, including respiratory protection.

JECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel

Emergency procedures : Evacuate unnecessary personnel.

6.1.2. 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 eat, drink or smoke 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,

'rompatible materials : Sources of ignition. Direct sunlight.

ري, Specific end use(s)

No additional information available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

!, Exposure controls

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 approved mask.

Other information : When using, do not eat, drink or smoke.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state : Solid
Appearance : Powders.
Color : black.
Odor : odorless.

Odor threshold : No data available pH : No data available Relative evaporation rate (butyl acetate=1) : No data available

Melting point : No data available
Freezing point : No data available
Boiling point : No data available
Flash point : No data available

No data available Flash point No data available If ignition temperature _acomposition temperature No data available Flammability (solid, gas) No data available No data available Vapor pressure Relative vapor density at 20 °C No data available No data available Relative density Solubility Insoluble in water.

Log Pow : No data available
Log Kow : No data available
Viscosity, kinematic : No data available
Viscosity, dynamic : No data available
Explosive properties : No data available
Oxidizing properties : No data available
Explosive limits : No data available

9,2, Other information

No additional information available

SECTION 10: Stability and reactivity

103. 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

Not established.

4. Conditions to avoid

rect sunlight. Extremely high or low temperatures. Open flame. Sparks.

10.5. Incompatible materials

strong acids. Strong bases.

10.6. Hazardous decomposition products

fume. Carbon monoxide. Carbon dioxide.

Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

ECTION 11: Toxicological information

11,1, Information on toxicological effects

Acute toxicity

Skin corrosion/irritation : Not classified

Serious eye damage/irritation Causes serious eye irritation.

Respiratory or skin sensitization Not classified

Germ cell mutagenicity Not classifiedBased on available data, the classification criteria are not met

: Not classified

Carcinogenicity Not classified

Reproductive toxicity : Not classifiedBased on available data, the classification criteria are not met

Specific target organ toxicity (single exposure) : Not classified

Specific target organ toxicity (repeated

exposure)

: Not classifiedBased on available data, the classification criteria are not met

Aspiration hazard : Not classifiedBased on available data, the classification criteria are not met

Potential Adverse human health effects and

symptoms

Based on available data, the classification criteria are not met.

SECTION 12: Ecological information

12.1. Toxicity

No additional information available

12.2. Persistence and degradability

Magnetic Latent Print powder, Silver/Gray

Persistence and degradability Not established.

3. Bioaccumulative potential

Magnetic Latent Print powder, Silver/Gray

Bioaccumulative potential Not established.

124. Mobility in soil

No additional information available

12.5. Other adverse effects

Other information : Avoid release to the environment.

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

In accordance with ADR / RID / ADNR / IMDG / ICAO / IATA

14.1. UN number

Not applicable

14.2. UN proper shipping name

Not applicable

14.3 Additional information

Other information

: No supplementary information available.

Overland transport

No additional information available

insport by sea

No additional information available

Air transport

No additional information available

Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

ECTION 15: Regulatory information

15.1. US Federal regulations

Magnetic Latent Print powder, Silver/Gray

Not listed on the United States TSCA (Toxic Substances Control Act) inventory

15.2. International regulations

CANADA

No additional information available

EU-Regulations

No additional information available

Classification according to Regulation (EC) No. 1272/2008 [CLP]

Classification according to Directive 67/548/EEC or 1999/45/EC

Not classified

15.2.2. National regulations

No additional information available

15.3. US State regulations

No additional information available

ECTION 16: Other information

Indication of changes

: Revision - See : *.

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

: This Safety Data Sheet has been established in accordance with the applicable European Union legislation.

Full text of H-phrases: see section 16:

oxt of it billageas eac accusit ion	
Eye Irrit. 2A	Serious eye damage/eye irritation Category 2A
Flam. Sol. 2	Flammable solids Category 2
H228	Flammable solid
H319	Causes serious eye imitation

NFPA health hazard

: 1 - Exposure could cause irritation but only minor residual

injury even if no treatment is given.

NFPA fire hazard

: 2 - Must be moderately heated or exposed to relatively high

temperature 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.



HMIS III Rating

alth

: 1 Slight Hazard - Irritation or minor reversible injury possible

Flammability

2 Moderate Hazard

Physical

: 1 Slight Hazard

Personal Protection

: E

SDS US (GHS HazCom 2012)

Safety Data Sheet according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

information above is believed to be accurate and represents the best information currently available to us. However, we make no warrantly of merchantability or any other warrantly, expressed mpfied, 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.



Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

Date of issue: 12/27/2012

Revision date: 01/03/2015

Supersedes: 02/02/2011

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product form : Mixture

Product name : MSWSBM9 Magnetic Latent Print Powder, Silver/Black

Product code : MSWSBM9

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 Finger Print Laboratories

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

SECTION 2: Hazards identification

2:1. Glassification of the substance or mixture

Classification (GHS-US)

Not classified

2.2. Label elements

IS-US labeling

No labeling applicable

2.3. Other hazards

Other hazards not contributing to the

classification

: None under normal conditions.

2.4. Unknown acute toxicity (GHS-US)

No data available

SECTION 3: Composition/information on ingredients

3.1. Substance

Not applicable

3.2. Mixture

Name	Productidentifier	%	Classification (GHS-US)
iron(II,III)oxide	(CAS No) 1317-61-9	98	Not classified
aluminium,powder,coated,less dangerous	(CAS No) 7429-90-5	2	Not classified

SECTION 4: First aid measures

44. Description of instald 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

: Assure fresh air breathing. 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

st-aid measures after ingestion

: Rinse mouth. Do NOT induce vomiting. Obtain emergency medical attention.

Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

Most important symptoms and effects, both acute and delayed

Symptoms/injuries : Not expected to present a significant hazard under anticipated conditions of normal use.

4.3. 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

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

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

For non-emergency personnel

Emergency procedures Evacuate unnecessary personnel.

6.1.2. For emergency responders

Protective equipment : Equip cleanup crew with proper protection.

Emergency procedures : Ventilate area.

6.2. Environmental precautions

event 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

: Wash hands and other exposed areas with mild soap and water before eating, drinking or Precautions for safe handling

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.

7.3. Specific and use(s)

No additional information available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

iron(II;III)oxide (1317-61-9)		
USA OSHA	OSHA PEL (TWA) (mg/m³)	15 mg/m³

-	aluminium,powder,coated,less-dangerous (7429-90-5)		
	JSA ACGIH	ACGIH TWA (mg/m³)	5 mg/m³
	USA OSHA	OSHA PEL (TWA) (mg/m³)	15 mg/m³

10/23/2014 EN (English US) 2/6

Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

Exposure controls

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

Odor threshold No data available pΗ : No data available Relative evaporation rate (butyl acetate=1) : No data available Melting point No data available : No data available Freezing point Boiling point No data available Flash point No data available No data available ^uto-ignition temperature No data available .composition temperature Flammability (solid, gas) No data available No data available Vapor pressure Relative vapor density at 20 °C No data available No data available Relative density

Water: Solubility in water of component(s) of the mixture:

•:

insoluble in water.

Log Pow : No data available
Log Kow : No data available
Viscosity, kinematic : No data available
Viscosity, dynamic : No data available
Explosive properties : No data available
Oxidizing properties : No data available
Explosive limits : No data available

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity

10.1. Reactivity

Solubility

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). Not established.

10.3. Possibility of hazardous reactions

'n reactivity hazard other than the effects described in sub-sections below. Not established.

rd4. Conditions to avoid

Direct sunlight. Extremely high or low temperatures.

10/23/2014 EN (English US) 3/6

Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

.δ. Incompatible materials

Strong acids. Strong bases.

10.6. Hazardous decomposition products

fume. Carbon monoxide. Carbon dioxide.

SECTION 11: Toxicological information

14.1. Information on toxicological effects

Acute toxicity : Not classified

iron(II,III)oxide (1317-61-9)	
LD50 oral rat	> 10000 mg/kg (Rat)
Skin corrosion/irritation	: Not classified
Serious eye damage/irritation	: Not classified
Respiratory or skin sensitization	: 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 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

Based on available data, the classification criteria are not met

piration hazard : Not classified

Based on available data, the classification criteria are not met

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(II;III)oxide (1317-61-9)	
LC50 fish 1	> 1000 mg/l (48 h; Leuciscus idus)

422 Persistence and degradability

12.2	
	rasiDlask
MSWSBM9 Magnetic Latent Print Powder, Silv	/e//pidGK
meneral and meaning and meanin	
	fare repet t
Persistence and degradability	l Not established.

Persistence and degradability Biodegradability in water: no data available. Adsorbs into the soil.

aluminium, powder, coated, less dangerou	is (7429-90-5)
Persistence and degradability	Biodegradability in soil: not applicable. Adsorbs into the soil. Not established.
Biochemical oxygen demand (BOD)	Not applicable
Chemical oxygen demand (COD)	Not applicable
ThOD	Not applicable
BOD (% of ThOD)	Not applicable

12:3. Bioaccumulative potential

MSWSBM9 Magnetic Latent Print Powder, Silv	er/Black
Bioaccumulative potential	Not established.

-iron(II,III)oxide (1317-61-9)	
Jioaccumulative potential	No bioaccumulation data available.

aluminium;powder;coated;less dangerous (/4	29:90-5)
Bioaccumulative potential	No bioaccumulation data available. Not established.

10/23/2014 EN (English US) 4/6

Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

.4. Mobility in soil

No additional information available

12.5. Other adverse effects

Effect on ozone layer : No additional information available

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

Other information : Avoid release to the environment.

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

In accordance with DOT Not regulated for transport

Additional information

Other information : No supplementary information available.

ADR

Transport document description

Transport by sea

No additional information available

Air transport

additional information available

SECTION 15: Regulatory information

15.1. US Federal regulations

MSWSBM9 Magnetic Latent Print Powder, Silver/Black

Listed on the United States TSCA (Toxic Substances Control Act) inventory

aluminium, powder, coated, less dangerous (7429-90-5)

Listed on the United States TSCA (Toxic Substances Control Act) inventory

Listed on United States SARA Section 313

SARA Section 313 - Emission Reporting 100 % Aluminum Powder

15.2. International regulations

CANADA

No additional information available

EU-Regulations

No additional information available

Classification according to Regulation (EC) No. 1272/2008 [CLP]

Classification according to Directive 67/548/EEC [DSD] or 1999/45/EC [DPD]

Not classified

15.2.2. National regulations

No additional information available

15:3: US State regulations

ECTION 16: Other information

Indication of changes : Revision - See : *.
Revision date : 01/03/2015

10/23/2014 EN (English US) 5/6

Safety Data Sheet

Training advice

Other information

NFPA health hazard

NFPA fire hazard

NFPA reactivity

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

ta 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 (FC) No 1907/2006

: 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. Normal use of this product shall imply use in accordance with the instructions on the packaging.

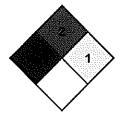
: This Safety Data Sheet has been established in accordance with the applicable European Union legislation. None.

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

: 2 - Must be moderately heated or exposed to relatively high temperature before ignition can occur.

: 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.



HMIS III Rating

Health : 1 Slight Hazard - Irritation or minor reversible injury possible

Flammability : 2 Moderate Hazard
Physical : 1 Slight Hazard

Personal Protection : E

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 "milied, 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 bases.