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

### 1.1. Product identifier

<table>
<thead>
<tr>
<th>Product form</th>
<th>Mixture</th>
</tr>
</thead>
<tbody>
<tr>
<td>Product name</td>
<td>105L Hi-Fi Volcano Latent Print Powder, Silver Metallic</td>
</tr>
<tr>
<td>Product code</td>
<td>105L</td>
</tr>
</tbody>
</table>

### 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. Classification of the substance or mixture

Classification (GHS-US)
Not classified

### 2.2. Label elements

**GHS-US labeling**

<table>
<thead>
<tr>
<th>Hazard pictograms (GHS-US)</th>
<th><img src="image1" alt="" /></th>
<th><img src="image2" alt="" /></th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>Signal word (GHS-US)</th>
<th>Warning</th>
</tr>
</thead>
</table>
| Hazard statements (GHS-US) | H226 - Flammable solid  
H302+H332 - Harmful if swallowed or if inhaled  
H319 - Causes serious eye irritation |
| Precautionary statements (GHS-US) | P102 - Keep out of reach of children  
P201 - Obtain special instructions before use  
P210 - Keep away from open flames, sparks. - No smoking  
P280 - Wear eye protection, protective gloves  
P301+P312 - If swallowed: Call a poison center/doctor/… if you feel unwell  
P304+P312 - IF INHALED: Call a POISON CENTER or doctor/physician if you feel unwell  
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 |

### 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

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: 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

Unsuitable extinguishing media: Do not use a heavy water stream.

5.2. Special hazards arising from the substance or mixture

Fire hazard: Catches fire spontaneously if exposed to air. Contact with water liberates extremely flammable gases. Flammable. Flammable solid.
Explosion hazard: Dust cloud can be ignited by a spark.
Reactivity: No data available.

5.3. Advice for firefighters

Firefighting instructions: Evacuate area. When cooling/extinguishing: no water in the substance. Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent firefighting 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

General measures: Do not allow contact with air. Eliminate every possible source of ignition. Use special care to avoid static electric charges.

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

Avoid release to the environment. Do not allow water (or moist air) contact with this material. 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

For containment: Dam up the solid spill.
Methods for cleaning up: Collect spillage. Collect the spill only if it is in a dry state. Do not take up in combustible material such as: saw dust or cellulosic material. Keep solid spill dry and shovel it up. This material and its container must be disposed of in a safe way, and as per local legislation. 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

Additional hazards when processed: Catches fire spontaneously if exposed to air. Keep away from any possible contact with water, because of violent reaction and possible flash fire.

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

Technical measures: Comply with applicable regulations. Proper grounding procedures to avoid static electricity should be followed.

Storage conditions: Direct sunlight. Keep container closed when not in use. Store in dry protected location to prevent any moisture contact.

Incompatible products: Strong bases. Strong acids.

Incompatible materials: Sources of ignition. Direct sunlight.

7.3. Specific end use(s)

No additional information available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

<table>
<thead>
<tr>
<th>105L Hi-Fi Volcano Latent Print Powder, Silver Metallic</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>USA ACGIH</strong></td>
</tr>
<tr>
<td><strong>USA OSHA</strong></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>aluminium, powder, coated, less dangerous (7429-90-5)</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>USA ACGIH</strong></td>
</tr>
<tr>
<td><strong>USA OSHA</strong></td>
</tr>
</tbody>
</table>

8.2. Exposure controls


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

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Physical state</td>
<td>Solid</td>
</tr>
<tr>
<td>Appearance</td>
<td>Powders</td>
</tr>
<tr>
<td>Color</td>
<td>Silvery</td>
</tr>
<tr>
<td>Odor</td>
<td>odorless</td>
</tr>
<tr>
<td>Odor threshold</td>
<td>No data available</td>
</tr>
<tr>
<td>pH</td>
<td>No data available</td>
</tr>
<tr>
<td>Relative evaporation rate (butyl acetate=1)</td>
<td>No data available</td>
</tr>
<tr>
<td>Melting point</td>
<td>No data available</td>
</tr>
<tr>
<td>Freezing point</td>
<td>No data available</td>
</tr>
<tr>
<td>Boiling point</td>
<td>No data available</td>
</tr>
<tr>
<td>Flash point</td>
<td>No data available</td>
</tr>
<tr>
<td>Auto-ignition temperature</td>
<td>No data available</td>
</tr>
<tr>
<td>Decomposition temperature</td>
<td>No data available</td>
</tr>
<tr>
<td>Flammability (solid, gas)</td>
<td>No data available</td>
</tr>
<tr>
<td>Vapor pressure</td>
<td>No data available</td>
</tr>
</tbody>
</table>
105L Hi-Fi Volcano Latent Print Powder, Silver Metallic
Safety Data Sheet

Relative vapor density at 20 °C : No data available
Relative density : No data available
Solubility : Insoluble in water. Water:
Log Pow : No data available
Log Kow : No data available
Viscosity, kinematic : No data available
Viscosity, dynamic : No data available
Explosive properties : Fire or projection hazard.
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
No data available.

10.2. Chemical stability
Catches fire spontaneously if exposed to air. Stable under normal conditions.

10.3. Possibility of hazardous reactions
Catches fire spontaneously if exposed to air. In contact with water releases flammable gases.

10.4. Conditions to avoid
Moisture. Open flame. Sparks. Direct sunlight. Extremely high or low temperatures.

10.5. Incompatible materials
Strong acids. Strong bases.

10.6. Hazardous decomposition products

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity : Not classified
(Lack of data)

Skin corrosion/irritation : Not classified

Serious eye damage/irritation : Not classified
(Conclusive but not sufficient for classification)

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

Aspiration 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
Ecology - general: Dangerous for the environment.

12.2. Persistence and degradability

<table>
<thead>
<tr>
<th>105L Hi-Fi Volcano Latent Print Powder, Silver Metallic</th>
</tr>
</thead>
<tbody>
<tr>
<td>Persistence and degradability: Not established.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>aluminium.powder,coated,less dangerous (7429-90-5)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Persistence and degradability: Biodegradability in soil: not applicable. Adsorbs into the soil. Not established.</td>
</tr>
<tr>
<td>Biochemical oxygen demand (BOD): Not applicable</td>
</tr>
<tr>
<td>Chemical oxygen demand (COD): Not applicable</td>
</tr>
<tr>
<td>ThOD: Not applicable</td>
</tr>
<tr>
<td>BOD (% of ThOD): Not applicable</td>
</tr>
</tbody>
</table>

12.3. Bioaccumulative potential

<table>
<thead>
<tr>
<th>105L Hi-Fi Volcano Latent Print Powder, Silver Metallic</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bioaccumulative potential: Not established.</td>
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</tbody>
</table>

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<thead>
<tr>
<th>aluminium.powder,coated,less dangerous (7429-90-5)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bioaccumulative potential: No bioaccumulation data available. Not established.</td>
</tr>
</tbody>
</table>

12.4. 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: Avoid any discharge of the product into waste water. Do not discharge into drains or the environment. Do not discharge into surface water. Dispose in a safe manner in accordance with local/national regulations.
Additional information: Do not allow water (or moist air) contact with this material. Insufficient data to classify as hazardous waste according to Directive 2008/98/EC.
Ecology - waste materials: Avoid release to the environment.

SECTION 14: Transport information

In accordance with DOT
UN-No.(DOT): 1309
Proper Shipping Name (DOT): Aluminum powder, coated
Flammable solid
Department of Transportation (DOT) Hazard Classes: 4.1 - Class 4.1 - Flammable Solid 49 CFR 173.124
Hazard labels (DOT): 4.1 - Flammable solid

Packing group (DOT): II - Medium Danger

Additional information
Other information: No supplementary information available.
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**ADR**

<table>
<thead>
<tr>
<th>Transport document description</th>
<th>:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Class (ADR)</td>
<td>4.1 - Flammable solids, self-reactive substance and solid desensitized explosives</td>
</tr>
<tr>
<td>Hazard labels (ADR)</td>
<td>4.1 - Flammable solid</td>
</tr>
</tbody>
</table>

**Transport by sea**

No additional information available

**Air transport**

No additional information available

**SECTION 15: Regulatory information**

**15.1. US Federal regulations**

<table>
<thead>
<tr>
<th>105L Hi-Fi Volcano Latent Print Powder, Silver Metallic</th>
</tr>
</thead>
<tbody>
<tr>
<td>Listed on United States SARA Section 313</td>
</tr>
<tr>
<td>Listed on the United States TSCA (Toxic Substances Control Act) inventory</td>
</tr>
</tbody>
</table>

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<tr>
<td>Listed on United States SARA Section 313</td>
</tr>
<tr>
<td>SARA Section 313 - Emission Reporting           100 % Aluminum Powder</td>
</tr>
</tbody>
</table>

**15.2. International regulations**

**CANADA**

No additional information available

**EU-Regulations**

No additional information available

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

Not classified

**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**

**SECTION 16: Other information**

**Indication of changes**

Revision - See : *. 
Revision date : 01/03/2015

**Data sources**


**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.
105L Hi-Fi Volcano Latent Print Powder, Silver Metallic
Safety Data Sheet
according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

NFPA health hazard: 2 - Intense or continued exposure could cause temporary incapacitation or possible residual injury unless prompt medical attention is given.

NFPA fire hazard: 4 - Will rapidly or completely vaporize at normal pressure and temperature, or is readily dispersed in air and will burn readily.

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.

NFPA specific hazard: W - Unusual reactivity with water. This indicates a potential hazard using water to fight a fire involving this material. When a compound is both water-reactive and an oxidizer, the W/bar symbol should go in this quadrant and the OX warning is placed immediately below the NFPA diamond.

HMIS III Rating
Health: 2 Moderate Hazard - Temporary or minor injury may occur
Flammability: 4 Severe 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 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.