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

1.1. Product identifier

<table>
<thead>
<tr>
<th>Product form</th>
<th>Mixtures</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 105L1 BPP498 BPP4916</td>
</tr>
</tbody>
</table>

1.2. Relevant identified uses of the substance or mixture and uses advised against

1.2.1. Relevant identified uses

<table>
<thead>
<tr>
<th>Industrial/Professional use spec</th>
<th>Industrial</th>
</tr>
</thead>
<tbody>
<tr>
<td>Use of the substance/mixture</td>
<td>Latent fingerprint powder</td>
</tr>
</tbody>
</table>

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

SIRCHIE
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
CHEMTREC: 1.800.424.9300

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

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

Not classified

Adverse physicochemical, human health and environmental effects

No additional information available

2.2. Label elements

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

Precautionary statements (CLP): P101 - If medical advice is needed, have product container or label at hand. P102 - Keep out of reach of children. P363 - Wash contaminated clothing before reuse.

SECTION 3: Composition/Information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

<table>
<thead>
<tr>
<th>Name</th>
<th>Product identifier</th>
<th>%</th>
<th>Classification according to Regulation (EC) No. 1272/2008 [CLP]</th>
</tr>
</thead>
<tbody>
<tr>
<td>Lycopodium</td>
<td>(CAS-No.) 8023-70-9</td>
<td>20</td>
<td>Not classified</td>
</tr>
</tbody>
</table>

Full text of H-phrases: see section 16
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### 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 persists. |
| 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/effects:** 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:** Contact with water liberates extremely flammable gases. Flammable. Flammable solid.
- **Explosion hazard:** Dust cloud can be ignited by a spark.
- **Reactivity in case of fire:** 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:** Eliminate every possible source of ignition. Use special care to avoid static electric charges.

**For non-emergency personnel**

- **Protective equipment:** Safety glasses. Gloves.
- **Emergency procedures:** Evacuate unnecessary personnel.

**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:** 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

<table>
<thead>
<tr>
<th>Technical measures</th>
<th>Keep away from ignition sources (including static discharges).</th>
</tr>
</thead>
<tbody>
<tr>
<td>Storage conditions</td>
<td>Keep container closed when not in use. Keep away from heat/sparks/open flames/hot surfaces. – No smoking.</td>
</tr>
<tr>
<td>Incompatible products</td>
<td>Keep away from oxidizing agents, acids, bases and water.</td>
</tr>
<tr>
<td>Incompatible materials</td>
<td>Sources of ignition. Keep away from any possible contact with water, because of violent reaction and possible flash fire. Heat sources.</td>
</tr>
</tbody>
</table>

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>USA - ACGIH</td>
</tr>
<tr>
<td>USA - OSHA</td>
</tr>
</tbody>
</table>

8.2. Exposure controls

Personal protective equipment:


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>Physical state</th>
<th>Solid</th>
</tr>
</thead>
<tbody>
<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>Non flammable</td>
</tr>
<tr>
<td>Vapor pressure</td>
<td>No data available</td>
</tr>
<tr>
<td>Relative vapor density at 20 °C</td>
<td>No data available</td>
</tr>
<tr>
<td>Relative density</td>
<td>No data available</td>
</tr>
<tr>
<td>Solubility</td>
<td>Insoluble in water.</td>
</tr>
<tr>
<td>Log Pow</td>
<td>No data available</td>
</tr>
</tbody>
</table>
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<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Viscosity, kinematic</td>
<td>No data available</td>
</tr>
<tr>
<td>Viscosity, dynamic</td>
<td>No data available</td>
</tr>
<tr>
<td>Explosive properties</td>
<td>Fire or projection hazard.</td>
</tr>
<tr>
<td>Oxidizing properties</td>
<td>No data available</td>
</tr>
<tr>
<td>Explosion limits</td>
<td>No data available</td>
</tr>
</tbody>
</table>

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 gas.

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

<table>
<thead>
<tr>
<th>Effect</th>
<th>Classification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acute toxicity</td>
<td>Not classified</td>
</tr>
<tr>
<td>Skin corrosion/irritation</td>
<td>Not classified</td>
</tr>
<tr>
<td>Serious eye damage/irritation</td>
<td>Not classified</td>
</tr>
<tr>
<td>Respiratory or skin sensitization</td>
<td>Not classified</td>
</tr>
<tr>
<td>Germ cell mutagenicity</td>
<td>Not classified</td>
</tr>
<tr>
<td>Carcinogenicity</td>
<td>Not classified</td>
</tr>
<tr>
<td>Reproductive toxicity</td>
<td>Not classified</td>
</tr>
<tr>
<td>Specific target organ toxicity – single exposure</td>
<td>Not classified</td>
</tr>
<tr>
<td>Specific target organ toxicity – repeated exposure</td>
<td>Not classified</td>
</tr>
<tr>
<td>Aspiration hazard</td>
<td>Not classified</td>
</tr>
<tr>
<td>Potential Adverse human health effects and symptoms</td>
<td>Based on available data, the classification criteria are not met</td>
</tr>
</tbody>
</table>

SECTION 12: Ecological information

12.1. Toxicity
Ecology - general: Dangerous for the environment.

12.2. Persistence and degradability

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

12.4. Mobility in soil

No additional information available

12.5. Results of PBT and vPvB assessment

No additional information available

12.6. Other adverse effects

Additional information: Avoid release to the environment.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Product/Packaging 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 ADR / RID / IMDG / IATA / ADN

14.1. UN number

| UN-No. (ADR) | 1309 |
| UN-No. (IMDG) | 1309 |
| UN-No. (IATA) | 1309 |
| UN-No. (ADN) | Not applicable |
| UN-No. (RID) | Not applicable |

14.2. UN proper shipping name

| Proper Shipping Name (ADR) | ALUMINIUM POWDER, COATED |
| Proper Shipping Name (IMDG) | ALUMINIUM POWDER, COATED |
| Proper Shipping Name (IATA) | Aluminium powder, coated |
| Proper Shipping Name (ADN) | Not applicable |
| Proper Shipping Name (RID) | Not applicable |
| Transport document description (ADR) | UN 1309 ALUMINIUM POWDER, COATED, 4.1, III, (E) |
| Transport document description (IMDG) | UN 1309 ALUMINIUM POWDER, COATED, 4.1, III |
| Transport document description (IATA) | UN 1309 Aluminium powder, coated, 4.1, III |

14.3. Transport hazard class(es)

ADR

| Transport hazard class(es) (ADR) | 4.1 |
| Hazard labels (ADR) | 4.1 |

IMDG

| Transport hazard class(es) (IMDG) | 4.1 |
| Hazard labels (IMDG) | 4.1 |
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IATA
Transport hazard class(es) (IATA) : 4.1
Hazard labels (IATA) : 4.1

ADN
Transport hazard class(es) (ADN) : Not applicable

RID
Transport hazard class(es) (RID) : Not applicable

14.4. Packing group
Packing group (ADR) : III
Packing group (IMDG) : III
Packing group (IATA) : III
Packing group (ADN) : Not applicable
Packing group (RID) : Not applicable

14.5. Environmental hazards
Dangerous for the environment : No
Marine pollutant : No
Other information : No supplementary information available

14.6. Special precautions for user

- Overland transport
Classification code (ADR) : F3
Limited quantities (ADR) : 5kg
Excepted quantities (ADR) : E1
Packing instructions (ADR) : P002, IBC08, LP02, R001
Special packing provisions (ADR) : PP11, B3
Mixed packing provisions (ADR) : MP11
Portable tank and bulk container instructions (ADR) : T1
Portable tank and bulk container special provisions (ADR) : TP33
Tank code (ADR) : SGAV
Vehicle for tank carriage : AT
Transport category (ADR) : 3
Special provisions for carriage - Bulk (ADR) : VV1
Hazard identification number (Kemler No.) : 40
Orange plates : 40

Tunnel restriction code (ADR) : E
EAC : 4Y

- Transport by sea
Special provision (IMDG) : 223
Limited quantities (IMDG) : 5 kg
Excepted quantities (IMDG) : E1
Packing instructions (IMDG) : P002, LP02
Packing provisions (IMDG) : PP11, PP38
IBC packing instructions (IMDG) : IBC08
IBC special provisions (IMDG) : B3
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Tank instructions (IMDG) : T1
Tank special provisions (IMDG) : TP33
EmS-No. (Fire) : F-G
EmS-No. (Spillage) : S-G
Stowage category (IMDG) : A

- Air transport

PCA Excepted quantities (IATA) : E1
PCA Limited quantities (IATA) : Y443
PCA limited quantity max net quantity (IATA) : 10kg
PCA packing instructions (IATA) : 446
PCA max net quantity (IATA) : 25kg
CAO packing instructions (IATA) : 449
CAO max net quantity (IATA) : 100kg
Special provision (IATA) : A3
ERG code (IATA) : 3L

- Inland waterway transport

No data available

- Rail transport

No data available

14.7. Transport in bulk according to Annex II of Marpol and the IBC Code
Not applicable

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

15.1.1. EU-Regulations
Contains no REACH substances with Annex XVII restrictions
Contains no REACH candidate substance
Contains no REACH Annex XIV substances.

15.1.2. National regulations
Subject to reporting requirements of United States SARA Section 313
Listed on the United States TSCA (Toxic Substances Control Act) inventory

Germany
VwVwS Annex reference : Water hazard class (WGK) 3, strongly hazardous to water (Classification according to VwVwS, Annex 4)

Netherlands
SZW-lijst van kankerverwekkende stoffen : None of the components are listed
SZW-lijst van mutagene stoffen : None of the components are listed
NIET-elimatieve lijst van voor de voortplanting giftige stoffen – Borstvoeding : None of the components are listed
NIET-elimatieve lijst van voor de voortplanting giftige stoffen – Vruchtbaarheid : None of the components are listed
NIET-elimatieve lijst van voor de voortplanting giftige stoffen – Ontwikkeling : None of the components are listed

15.2. Chemical safety assessment
No chemical safety assessment has been carried out

SECTION 16: Other information

Indication of changes:
Revision - See : *.
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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.

SDS EU (REACH Annex II)

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.