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

1.1. Product identifier
Product form: Mixture
Trade name: Silver-Streak® Metal Marker

1.2. Relevant identified uses of the substance or mixture and uses advised against
Use of the substance/mixture: Marking.

1.3. Details of the supplier of the safety data sheet
LA-CO Industries, Inc.
1201 Pratt Boulevard
Elk Grove Village, IL  60007-5746
Phone: (847) 956-7600
Fax: (847) 956-9885
E-mail: customer_service@laco.com

1.4. Emergency telephone number

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture
Classification in accordance with the Globally Harmonized Standard
Not classified

2.2. Label elements
GHS-US labelling
No labelling applicable

2.3. Other hazards
No additional information available

SECTION 3: Composition/information on ingredients

3.1. Substance
Not applicable

3.2. Mixture
<table>
<thead>
<tr>
<th>Name</th>
<th>Product identifier</th>
<th>% (w/w)</th>
<th>GHS-US classification</th>
</tr>
</thead>
<tbody>
<tr>
<td>aluminium powder (pyrophoric)</td>
<td>(CAS No) 7429-90-5</td>
<td>17.5</td>
<td>Pyr. Sol. 1, H250</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Water-react. 2, H261</td>
</tr>
</tbody>
</table>

Full text of H-statements: see section 16

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.
First-aid measures after inhalation: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
First-aid measures after skin contact: Gently wash with plenty of soap and water.
First-aid measures after eye contact: In case of contact, immediately flush eyes with plenty of water.
First-aid measures after ingestion: Rinse mouth. Do NOT induce vomiting unless directed to do so by medical personnel. Call a POISON CENTER or doctor/physician if you feel unwell.

4.2. Most important symptoms and effects, both acute and delayed
Symptoms/injuries: None known.
4.3. Indication of any immediate medical attention and special treatment needed
Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media
Suitable extinguishing media: Use extinguishing media appropriate for surrounding fire.
Unsuitable extinguishing media: None known.

5.2. Special hazards arising from the substance or mixture
Fire hazard: No particular fire or explosion hazard.
Reactivity: No dangerous reactions known.

5.3. Advice for firefighters
Protection during firefighting: Do not enter fire area without proper protective equipment, including respiratory protection. Use self-contained breathing apparatus. Fire-resistant protective clothing.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures
General measures: This product is not hazardous.

6.1.1. For non-emergency personnel
No additional information available

6.1.2. For emergency responders
No additional information available

6.2. Environmental precautions
Notify authorities if product enters sewers or public waters.

6.3. Methods and material for containment and cleaning up
For containment: Contain and collect as any solid.
Methods for cleaning up: Wipe up with absorbent material (for example cloth).

6.4. Reference to other sections
Section 13: disposal information.

SECTION 7: Handling and storage

7.1. Precautions for safe handling
Precautions for safe handling: Avoid contact with skin and eyes.
Hygiene measures: Do not eat, drink or smoke when using this product. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work.

7.2. Conditions for safe storage, including any incompatibilities
Storage area: Store in dry, cool, well-ventilated area.

7.3. Specific end use(s)
Marking.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

<table>
<thead>
<tr>
<th>Substance</th>
<th>ACGIH</th>
<th>OSHA</th>
</tr>
</thead>
<tbody>
<tr>
<td>Silver-Streak® Metal Marker</td>
<td>Not applicable</td>
<td>Not applicable</td>
</tr>
<tr>
<td>aluminium powder (pyrophoric) (7429-90-5)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>ACGIH</td>
<td>ACGIH TWA (mg/m³)</td>
<td>1 mg/m³</td>
</tr>
<tr>
<td>ACGIH</td>
<td>Remark (ACGIH)</td>
<td>Pneumoconiosis; LRT irr</td>
</tr>
<tr>
<td>OSHA</td>
<td>OSHA PEL (TWA) (mg/m³)</td>
<td>15 mg/m³ (total dust) 5 mg/m³ (respirable dust)</td>
</tr>
</tbody>
</table>

11/09/2015 EN (English) SDS Ref.: LACO1509005 2/5
Silver-Streak® Metal Marker
Safety Data Sheet
according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations
according to Canadian Hazardous Products Regulations (HPR)

<table>
<thead>
<tr>
<th>aluminium powder (pyrophoric) (7429-90-5)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Canada (Quebec)</td>
</tr>
<tr>
<td>VEMP (mg/m³)</td>
</tr>
<tr>
<td>10 mg/m³</td>
</tr>
<tr>
<td>Canada (Quebec)</td>
</tr>
<tr>
<td>Notations and remarks</td>
</tr>
<tr>
<td>(Métal)</td>
</tr>
</tbody>
</table>

8.2. Exposure controls
Appropriate engineering controls : Ensure good ventilation of the work station.
Personal protective equipment : Avoid all unnecessary exposure.
Hand protection : None under normal use.
Eye protection : None under normal use.
Respiratory protection : None under normal use.
Other information : Do not eat, drink or smoke when using this product.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties
Physical state : Solid
Appearance : A solid crayon-like marker.
Colour : Silver.
Odour : No data available
Odour 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
Auto-ignition temperature : No data available
Decomposition temperature : No data available
Flammability (solid, gas) : No data available
Vapour pressure : No data available
Relative vapour density at 20 °C : No data available
Relative density : No data available
Solubility : No data available
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
Oxidising properties : No data available
Explosive limits : No data available
9.2. Other information
VOC content : 0 %

SECTION 10: Stability and reactivity

10.1. Reactivity
No dangerous reactions known.
10.2. Chemical stability
Stable under normal conditions.
10.3. Possibility of hazardous reactions
Hazardous polymerization will not occur.
10.4. Conditions to avoid
None known.
10.5. Incompatible materials
10.6. Hazardous decomposition products
None known.
### SECTION 11: Toxicological information

#### 11.1 Information on toxicological effects

**Acute toxicity**: Not classified

<table>
<thead>
<tr>
<th>Substance</th>
<th>Classification</th>
</tr>
</thead>
<tbody>
<tr>
<td>aluminium powder (pyrophoric) (7429-90-5)</td>
<td>LD50 oral rat &gt; 15900 mg/kg bodyweight</td>
</tr>
</tbody>
</table>

**Skin corrosion/irritation**: Not classified

**Serious eye damage/irritation**: Not classified

**Respiratory or skin sensitisation**: Not classified

**Germ cell mutagenicity**: Not classified

**Carcinogenicity**: Not classified

**Reproductive toxicity**: Not classified

**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**

**Likely routes of exposure**: Inhalation; Skin and eye contact

### SECTION 12: Ecological information

#### 12.1 Toxicity

No additional information available

#### 12.2 Persistence and degradability

No additional information available

#### 12.3 Bioaccumulative potential

No additional information available

#### 12.4 Mobility in soil

No additional information available

#### 12.5 Other adverse effects

No additional information available

### SECTION 13: Disposal considerations

#### 13.1 Waste treatment methods

**Sewage disposal recommendations**: Do not dispose of waste into sewer.

**Waste disposal recommendations**: Dispose in a safe manner in accordance with local/national regulations.

### SECTION 14: Transport information

In accordance with DOT and TDG

**Not considered a dangerous good for transport regulations**

**Proper Shipping Name (ADR)**: Not applicable

**Transport by sea**

No additional information available

**Air transport**

No additional information available

### SECTION 15: Regulatory information

#### 15.1 US Federal regulations

- **aluminium powder (pyrophoric) (7429-90-5)**
  - Listed on the United States TSCA (Toxic Substances Control Act) inventory

#### 15.2 International regulations

**CANADA**

- **aluminium powder (pyrophoric) (7429-90-5)**
  - Listed on the Canadian DSL (Domestic Substances List) inventory.
EU-Regulations

<table>
<thead>
<tr>
<th>aluminium powder (pyrophoric) (7429-90-5)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Listed on the EEC inventory EINECS (European Inventory of Existing Commercial Chemical Substances)</td>
</tr>
</tbody>
</table>

National regulations

<table>
<thead>
<tr>
<th>Silver-Streak® Metal Marker</th>
</tr>
</thead>
<tbody>
<tr>
<td>All components are listed on the EEC inventory European Inventory of Existing Commercial Chemical Substances (EINECS).</td>
</tr>
<tr>
<td>All ingredients are listed in the Toxic Substances Control Act (TSCA).</td>
</tr>
<tr>
<td>All ingredients are listed on the Canadian Domestic Substances List (DSL) or Non-Domestic Substances List (NDSL).</td>
</tr>
</tbody>
</table>

15.3. US State regulations

<table>
<thead>
<tr>
<th>aluminium powder (pyrophoric) (7429-90-5)</th>
</tr>
</thead>
<tbody>
<tr>
<td>U.S. - New Jersey - Right to Know Hazardous Substance List</td>
</tr>
</tbody>
</table>

SECTION 16: Other information

Indication of changes : Original Document.

Data sources : ACGIH (American Conference of Governmental Industrial Hygienists).

Abbreviations and acronyms : ATE: Acute Toxicity Estimate. CAS (Chemical Abstracts Service) number. CLP: Classification, Labelling, Packaging. EC50: Environmental Concentration associated with a response by 50% of the test population. GHS: Globally Harmonized System (of Classification and Labeling of Chemicals). LD50: Lethal Dose for 50% of the test population. OSHA: Occupational Safety & Health Administration. PBT: Persistent, Bioaccumulative, Toxic. TWA: Time Weight Average. TSCA: Toxic Substances Control Act.

Other information : None.

NFPA health hazard : 0 - Exposure under fire conditions would offer no hazard beyond that of ordinary combustible materials.

NFPA fire hazard : 1 - Must be preheated before ignition can occur.

NFPA reactivity : 0 - Normally stable, even under fire exposure conditions, and not reactive with water.

Full text of H-statements:

<table>
<thead>
<tr>
<th>Pyr. Sol. 1</th>
<th>Pyrophoric Solids, Category 1</th>
</tr>
</thead>
<tbody>
<tr>
<td>Water-react. 2</td>
<td>Substances and Mixtures which, in contact with water, emit flammable gases, Category 2</td>
</tr>
<tr>
<td>H250</td>
<td>Catches fire spontaneously if exposed to air</td>
</tr>
<tr>
<td>H261</td>
<td>In contact with water releases flammable gases</td>
</tr>
</tbody>
</table>

SDS Prepared by: The Redstone Group, LLC
6077 Frantz Rd.
Suite 206
Dublin, OH USA 43016
T 614-923-7472
www.redstonegrp.com

LACO NA GHS SDS

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.