

Material Safety Data Sheet

Section 1 Product and Company Identification

Product Name: SILVER-STREAK
Revision #: 1.3 **Date Prepared:** April 19, 2000 **Date Revised:** February 8, 2010

Manufacturer:
LA-CO INDUSTRIES, Inc./Markal Co.
1201 Pratt Blvd.
Elk Grove Village, IL, USA 60007-5746
Information Telephone: 847-956-7600
Emergency Telephone: Call CHEMTREC
USA 800-424-9300
International (Call Collect) 1-703-527-3887
Chemical Formula: Mixture
CAS No.: Not Applicable. **Derivation:** Not Applicable.
Synonyms: Not Applicable.
General Use: Metal and other hard surface marking.

Supplier/Importer:

Section 2 Composition/Information on Ingredients

<u>Ingredient</u>	<u>CAS No.</u>	<u>%</u>
Aluminum powder ^{1,3,4,5,6} ACGIH: TWA = 10 mg/m ³ OSHA: TWA = 15 mg/m ³	7429-90-5	10 - 20

NOTE: Aluminum powder is bound in wax binder of marker

(For Section 2 footnotes: See Section 15)

Section 3 Hazards Identification

EMERGENCY OVERVIEW: Avoid inhalation of fume.

POTENTIAL HEALTH EFFECTS

Primary Exposure Routes: Inhalation

Acute Effects

Eyes: Not Applicable.

Skin: Not Applicable.

Ingestion: May cause discomfort or nausea.

Inhalation: Inhalation of aluminum powder may be harmful.

Chronic Effects

Eyes: Not Applicable.

Skin: Not Applicable.

Ingestion: Not Applicable.

Inhalation: Not Applicable.

Carcinogenicity: Not Applicable.

Target Organ Effects: Not Applicable.

Medical Conditions Aggravated by Long-Term Exposure: Not Determined.

Other Information: Not Applicable.

Section 4 First Aid

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Eye Contact: Not Applicable.	Inhalation: Remove to fresh air. Consult physician if breathing is difficult.	
Skin Contact: Not Applicable.	Ingestion: Contact physician	
	Other Information: Not Applicable.	

Section 5 Fire Fighting Measures

Flash Point (method): Approximately 390⁰F/200⁰C
Autoignition Temperature: Approximately 473⁰F/245⁰C
LEL: Not Determined. **UEL:** Not Determined.
Flammability Classification: Not Determined.
Extinguishing Media: Dry chemical, foam, carbon dioxide (CO₂). Do not use water as an extinguishing media. It will react with aluminum to form hydrogen, which is highly flammable.
Hazardous Combustion Products: Carbon monoxide, carbon dioxide.
Unusual Fire or Explosion Hazards: Will burn rapidly when exposed to high heat or flame. Do not use water as an extinguishing media. It will react with aluminum to form hydrogen, which is highly flammable.
Fire-Fighting Instructions/Equipment: Keep personnel removed and upwind of any fire. Wear full fire-fighting turn-out gear (full Bunker gear), and respiratory protection (SCBA).

Section 6 Accidental Release Measures

Use recommended personal protective equipment (see Section 8).
Small Spill: Sweep or scrape up.
Large Spill: Generally treat as a small spill. If large quantities are exposed to excessive heat, this product may melt. Allow melted material to cool and then scrape up.

Section 7 Handling and Storage

Handling Precautions: Use recommended personal protective equipment (see Section 8). Wash thoroughly after handling.
Storage Requirements: Store away from incompatible chemicals (see Sec. 10). Store away from excessive heat.

Section 8 Exposure Controls/Personal Protection

Eye/Face Protection: Suitable for related activities where this product is used.
Skin/Hand Protection: Suitable for related activities where this product is used.
Respiratory Protection: Suitable for related activities where this product is used.
Other Equipment: Suitable for related activities where this product is used.
Engineering Controls: Suitable for related activities where this product is used.
Administrative Controls: Users of this product must be properly trained and qualified in its use.
Other Information: No food or beverage should be consumed in the work area. Wash thoroughly before eating, drinking, or smoking.

Section 9 Physical and Chemical Properties

Appearance/Physical State: Flat silver solid.	Solubility - Water: Insoluble
Odor: Slight waxy odor.	- Fat: Soluble
Odor Threshold (ppm): Not Determined.	Coefficient of Water/Oil Solubility: <<1
Specific Gravity (H₂O = 1): >1	Partition Coefficient (n-octanol/water): >>1

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pH: Not Applicable.	V.O.C.: 0%(w/w), 0%(v/v), 0 lbs./gal.(U.S.), 0 kg/l
Melting Point: 122°F - 150°F / 50°C - 65°C	Flash Point (method): (see Section 5)
Boiling Point: Not Determined.	Flammability Classification: (see Section 5)
Vapor Pressure (mm Hg at 20°C): Not Applicable.	Unusual Fire or Explosion Hazards: (see Section 5)
Vapor Density (Air = 1): Not Applicable.	Oxidizing Properties: Not Applicable.
Evaporation Rate (n-BuAc=1): Not Applicable.	Other Information: None.
Autoignition Temperature: (see Section 5)	
Note: The physical data represented above are typical values and should not be construed as a specification.	

Section 10 Stability and Reactivity

Chemical Stability: Stable	Chemicals to Avoid: Acids, alkalis, halogenated compounds, strong oxidizers.
Hazardous Polymerization: Will Not Occur	Hazardous Decomposition Products (non-thermal): Hydrogen.
Conditions to Avoid: None Known.	

Section 11 Toxicological Information

Sensitization to Product: Not Applicable.	Reproductive Toxicity: Not Applicable.
Irritancy of Product: Not Applicable.	Teratogenicity: Not Applicable.
	Mutagenicity: Not Applicable.
Further hazard information, if applicable, may be found in Section 3. Toxicological information regarding individual ingredients, if applicable, may be found in Section 2.	

Section 12 Ecological Information

Mobility: Not Determined.	Ecotoxicity: Not Determined.
Degradability: Not Determined.	Other Adverse Effects: Not Determined.
Accumulation: Not Determined.	

Section 13 Disposal Considerations

Dispose of in accordance with all applicable regulations.

Section 14 Transport Information

D.O.T. (U.S.): Not Regulated.	IMO: Not Regulated.
TDG (Canada): Not Regulated.	Australian Code for the Transport of Dangerous Goods
IATA: Not Regulated.	Dangerous Goods Class and Subsidiary Risk:
ICAO: Not Regulated.	Not Determined.

Section 15 Regulatory Information

- Footnotes for Section 2:**
- 1 Subject to the reporting requirements of SARA Title III, Section 313.
 - 2 Appears on the California Safe Drinking Water and Toxic Enforcement Act (Prop. 65) Substances List.
 - 3 Appears on the Massachusetts Substances List.
 - 4 Appears on the New Jersey Right-To-Know Hazardous Substances List.
 - 5 Appears on the Pennsylvania Hazardous Substances List.
 - 6 Appears on the Canadian WHMIS Ingredient Disclosure List.

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U.S.A.

OSHA Hazard Status: This product is not considered to be hazardous as defined by the U.S. OSHA HCS (29 CFR 1910.1200).

EPA SARA sec. 311/312 Hazard Categories: Not Applicable.

Toxic Substances Control Act (TSCA): All ingredients contained in this product are listed on the U.S. EPA TSCA Chemical Substance Inventory.

HMIS Rating: Health 0, Flammability 1, Reactivity 1

NFPA Rating: Health 1, Flammability 1, Reactivity 1

CANADA

WHMIS Status: This product is not considered to be hazardous as defined by Canadian WHMIS Controlled Products Regulations.

WHMIS Rating: None.

WHMIS Risk Phrases: None.

WHMIS Precautionary Statements: None.

Domestic Substances List (DSL): All ingredients contained in this product are listed on the Canadian EPA (CEPA) Domestic Substances List (DSL).

E.U.

European Inventory of Existing Chemical Substances (EINECS): All ingredients contained in this product are listed on the European Inventory of Existing Chemical Substances (EINECS).

Categories of Danger (Labeling Information): None.

Risk (R) Phrases: None.

Safety (S) Phrases: None.

AUSTRALIA

Worksafe Australia Status: This product is not classified as hazardous according to criteria of Worksafe Australia.

HAZCHEM Code: None allocated.

Poisons Schedule Number: None allocated.

Further regulatory information regarding individual ingredients, if applicable, may be found in Section 2.

This product has been classified in accordance with the hazard criteria of the U.S. OSHA Hazard Communication Standard, the Canadian WHMIS Controlled Products Regulations, the British CHIP2 regulation 6, and the Australian NMRCWHS. This MSDS contains the information required by the above regulations and conforms to ANSI Z400.1-1993.

Section 16

Other Information

MSDS Prepared By: Director of Chemical Safety

The information contained herein is based on data available to us and is accurate and reliable to the best of our knowledge and belief. However, LA-CO Industries, Inc. makes no representations as to its completeness or accuracy. Information is supplied on condition that persons receiving such information will make their own determination as to its suitability for their purposes prior to use. In no event will LA-CO Industries, Inc. be responsible for damages of any nature whatsoever resulting from the use of or reliance upon the information contained herein.