

# THE G. A. AVRIL COMPANY

## MATERIAL SAFETY DATA SHEET

### Section I: Product and Company Information

Manufacturer: The G. A. Avril Company      Product: 1 - 13% Antimonial Lead  
2108 Eagle Court  
Cincinnati, OH 45237

Emergency Telephone: (513) 731-5133      Date Prepared: January 2, 2015  
(800) 331-9173

### Section II: Product Identification

<u>Components</u>	<u>CAS No.</u>	<u>Percentage</u>	<u>OSHA PEL</u>	<u>ACGIH TLV</u>	<u>OTHER LIMITS RECOMMENDED</u>
Lead	7439-92-1	5 - 95	0.05 mg/cum	0.05 mg/cum	N/A
Antimony	7440-36-0	1 - 13	0.50 mg/cum	0.50 mg/cum	N/A

This product contains one or more toxic chemicals and is subject to the reporting requirements of SARA section 313 Title III and 40 CFR Part 372.

### Section III: Physical/Chemical Characteristics

Boiling Point:	Pb 3164 F      Sb 2516 F	Specific Gravity:	Approximately 10.5
Vapor Pressure:	N/A	Melting Point:	Pb 621 F      Sb 1167 F
Vapor Density:	N/A	Evaporation Rate:	N/A
Solubility in Water:	Insoluble	Water Reactive:	N/A
Appearance and Odor:	White metal, odorless, various shapes and sizes.		

### Section IV: Fire and Explosion Hazard Data

Flash Point:	N/A
Auto-Ignition Temperature:	N/A
Flammability Limits in Air % by Volume:	N/A
LEL:	N/A
UEL:	N/A
Extinguisher Media:	Dry chemicals or sand should be used with molten metals.
Special Fire Fighting Procedures:	Use NIOSH approved self-contained breathing apparatus and full protective clothing.
Unusual Fire and Explosion Hazards:	Do not use water on molten metals.

### Section V: Reactivity Hazard Data

Stability:	Stable
Conditions to Avoid:	N/A
Incompatibility:	Oxidizing materials, acids, hydrogen peroxide.
Hazardous Decomposition Products:	High temperatures may produce heavy metal fumes, vapor, and/or dust.
Hazardous Polymerization:	Will not occur.
Conditions to Avoid:	N/A

## Section VI: Health Hazard Data

Primary Routes of Entry:	Inhalation of dust/fumes and ingestion of dust.
Carcinogen Listed In:	Not listed by NTP or IARC. Listed by OSHA.
Health Hazards:	Health studies have shown that potential health risks may vary by individual. Always minimize exposure as a precaution.
Signs and Symptoms of Exposure:	Metallic taste in the mouth. Irritation of the respiratory tract.
Medical Conditions Generally Aggravated by Exposure:	Respiratory/lung conditions.
Emergency First Aid Procedures:	Eyes: Flush with water for 15 minutes - seek medical attention.
	Skin: Flush with water immediately. Treat for burns - seek medical attention if required.
	Inhalation: Remove from exposure. Obtain immediate medical attention. If breathing has stopped, initiate artificial resuscitation.
	Ingestion: Drink water. Obtain immediate medical attention. Never give liquids to an unconscious individual.

## Section VII: Control and Protective Measures

Respiratory Protection:	A NIOSH approved dust/fume respirator should be worn where applicable limits may be exceeded.
Protective Gloves:	Should be worn to reduce burn exposure.
Eye Protection:	Safety glasses should be worn.
Ventilation:	Local exhaust or mechanical.
Other Protective Clothing and Equipment:	Work clothes should be worn and laundered in accordance with current OSHA standards.
Hygienic Work Practices:	Always wash hands after handling metal and before eating, drinking, or using tobacco products.

## Section VIII: Precautions for Safe Handling and Use/Leak Procedures

Spill or Leak Procedures:	Vacuuming or wet-sweeping recommended. Dry sweeping may result in high concentrations of airborne dust. Special care should be taken when handling molten metals.
Waste Disposal Methods:	Metal turnings, grindings, drippings, and drosses should be recycled. Waste should be disposed of in accordance with federal, state, and local regulations.
Handling and Storage Precautions:	Food and drink should not be consumed, tobacco products should not be used, and cosmetics should not be applied in areas where metal may be used. Avoid inhalation of dust or fumes in concentrations above OSHA limits.
Other Precautions and/or Special Procedures:	Inadvertent contaminates to products such as moisture, ice, snow, grease, or oil can cause an explosion when charged to a molten metal bath or melting furnace. Material in storage may contain moisture from condensation. It must be thoroughly dried before adding to molten metal. Preheating will remove moisture from product.

## Section IX: Additional Information

DOT Hazard Classification:	Non-hazardous
NFPA Classification:	Health 2, Flammability 0, Reactivity 0, Special W