

THE G. A. AVRIL COMPANY

CAME LEAD

SAFETY DATA SHEET

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According To Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules And Regulations

SECTION 1: IDENTIFICATION

Date Prepared: January 2, 2018

Product Identifier

Product Form: Substance

Product Name: Came Lead, including Antimonial and Restoration Grade

Synonyms: Lead, Antimony, Tin and Copper

Intended Use of the Product

Use of the substance/mixture: For professional use only.

Name, Address, and Telephone of the Responsible Party
Company

The G. A. Avril Company
2108 Eagle Court
Cincinnati, OH 45237
(513) 731-5133

Emergency Telephone Number

Emergency Number: 513-731-5133, 800-331-9173

SECTION 2: HAZARDS IDENTIFICATION

Classification of the Substance or Mixture

Classification (GHS-US)

Carc. 1A H350

Aquatic Acute 3 H402

Aquatic Chronic 3 H412

Full text of H-phrases: see section 16

Label Elements

GHS-US Labeling

Warning



GHS07



GHS08

Signal Word (GHS-US)

Hazard Statements (GHS-US)

: Warning

: H350 - May cause cancer.

: H402 - Harmful to aquatic life.

: H412 - Harmful to aquatic life with long lasting effects.

Precautionary Statements (GHS-US)

: P201 - Obtain special instructions before use.

: P202 - Do not handle until all safety precautions have been read and understood.

: P273 - Avoid release to the environment.

: P280 - Wear eye protection, protective clothing, protective gloves.

: P308+P313 - If exposed or concerned: Get medical advice/attention.

: P405 - Store locked up.

: P501 - Dispose of contents/container in accordance with local, regional, national, and international regulations.

Other Hazards

Risk of thermal burns on contact with molten product. Exposure may aggravate those with pre-existing eye, skin, or respiratory conditions.

Unknown Acute Toxicity (GHS-US)

No data available

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

Substance

Not applicable

Mixture

Name	Product Identifier (Cas No)	%
Lead	7439-92-1	97 - 99.9
Antimony	7440-36-0	0.05 - 3
Tin	7440-31-5	0.75 - 1
Copper	7440-50-8	Trace

Full text of H-phrases: See Section 16

SECTION 4: FIRST AID MEASURES**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 if possible).

First-aid Measures After Inhalation: Remove to fresh air and keep at rest in a position comfortable for breathing. If breathing has stopped, give artificial respiration. Obtain medical attention immediately.

First-aid Measures After Skin Contact: Cool skin rapidly with cold water after contact with molten product. Removal of solidified molten material from skin requires medical assistance. Seek medical attention for thermal burns.

First-aid Measures After Eye Contact: Rinse cautiously with water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Obtain medical attention.

First-aid Measures After Ingestion: Do NOT induce vomiting. Rinse mouth. Immediately call a POISON CENTER or doctor/physician.

Most Important symptoms and effects, both acute and delayed

Symptoms/Injuries: Warning! Contains lead. Lead poisoning can occur via an acute dose or through chronic exposure.

symptoms of lead poisoning include headaches, abdominal pain, memory loss, kidney failure, anemia, change in skin tone or pallor, reproductive problems in men, weakness, pain, or tingling in the extremities. May cause cancer.

Antimony causes nasal septal ulceration and stomach lining irritation. Tin is not regarded as toxic but excessive exposure can cause fever, nausea, stomach cramps or diarrhea.

Indication of any immediate medical attention and special treatment needed

Note of physicians : Treat symptomatically.

SECTION 5: FIRE-FIGHTING MEASURES**Extinguishing Media:**

Suitable Extinguishing Media: Dry chemical, foam or CO2.

Unsuitable Extinguishing Media: Do not use water or halogenated extinguishing media.

Specific hazards arising from the chemical: May give off toxic fumes in a fire, including antimony fumes.

Fire Hazard: Not flammable.

Explosion Hazard: Product is not explosive.

Reactivity: In molten form may react violently with water.

Protective Equipment and Precautions for Firefighters

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear. Not considered to be a fire hazard. Powder/dust is flammable when heated or exposed to flame.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Personal Precautions: Evacuate personnel to safe areas. Avoid contact with skin, eyes and inhalation of dust and fumes.

Use personal protection recommended in Section 8.

For emergency responders: Wear respiratory protection. Wear proper personal protective equipment (gloves and goggles). Wear appropriate outer garment to protect clothing.

Environmental Precautions: Prevent entry into waterways, sewers, surface drainage systems and poorly ventilated areas.

Methods and Material for Containment and Clean Up

For Containment: Avoid creating dust. Safely stop source of spill. Restrict non-essential personnel from area. All personnel involved in spill cleanup should avoid skin and eye contact by wearing appropriate personal protection equipment. Do not breathe dust.

Methods for Cleaning Up: Avoid dust formation. Clean up dusts with high efficiency particulate air (HEPA) filtered vacuum equipment or by wet cleaning.

Prevention of secondary hazards Clean contaminated objects and area thoroughly observing environmental regulations.

SECTION 7: HANDLING AND STORAGE**Precautions for Safe Handling**

Advice for Safe Handling: Use personal protection recommended in Section 8. Avoid generation of dust.

Conditions for Safe Storage, Including Any Incompatibilities

Storage Conditions Keep containers tightly closed in a dry, cool and well-ventilated place.

Incompatible materials Strong acids, oxidizers, reducing agents, halogens. In molten form: moisture.

Specific End Use (s)
For professional use only.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION**Control Parameters**

For substances listed in Section 3 that are not listed here, there are no established exposure limits from the manufacturer, supplier, importer, or the appropriate advisory agency including: ACGIH (TLV), NIOSH (REL), or OSHA (PEL).

Component	ACGIH TLV	OSHA PEL
Lead	TWA: 0.05 mg/m3	TWA: 50 ug/m3
7439-92-1		
Antimony	TWA: 0.05 mg/m3	TWA: 0.5 mg/m3
7440-36-0		
Tin	TWA: 3 mg/m3	TWA: 2.0 mg/m3
7440-31-5		
Copper	TWA: 1.0 mg/m3	TWA: 1.0 mg/m3
7440-50-8		

Legend

ACGIH - American Conference of Governmental Industrial Hygienists

OSHA - Occupational Safety and Health Administration

NIOSH IDLH - The National Institute of Occupational Safety and Health Immediately Dangerous to Life or Health

Engineering Controls Use contained process enclosures, local exhaust ventilation or other engineering controls to maintain aerosols below the exposure limit. If user operations generate dust, fume or mist use ventilation to keep exposure to airborne contaminants below the exposure limit.

Personal Protective Equipment Protective goggles, gloves, protective clothing. Insufficient ventilation wear respiratory protection.

**Eye/face Protection**

Wear appropriate protective eyeglasses or chemical safety goggles as described by OSHA's eye and face protection regulations in 29 CFR 1910.133 or European Standard EN166.

Skin and Body Protection

Wear appropriate protective gloves and clothing to prevent skin exposure.

Respiratory Protection

Follow the OSHA respirator regulations found in 29 CFR 1910.134 or European Standard EN 149. Use a NIOSH/MSHA or European Standard EN 149 approved respirator if exposure limits are exceeded or if irritation or other symptoms are experienced.

Hygiene Measures

Handle in accordance with good industrial hygiene and safety practice.
Do not eat, drink or smoke when using this product. Contaminated work clothing should not be allowed out of the workplace. Wash face, hands and any exposed skin thoroughly after handling.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES**Information on Basic Physical and Chemical Properties**

Physical State:	Solid
Appearance:	Bluish-Grey soft metal
Odor	No data available
Odor Threshold	No data available
pH	No data available
Evaporation Rate	No data available
Freezing Point	No data available
Melting Point	621 °F (327 °C)
Boiling Point	3164 °F (1740 °C)
Flash Point	No data available
Auto-Ignition Temperature	No data available

Decomposition Temperature	No data available
Flammability (solid, gas)	No data available
Vapor Pressure	No data available
Relative Vapor Density at 20 °C	No data available
Specific Gravity	10.5
Solubility	Not soluble in water
Partition Coefficient: N-Octanol/Water	No data available
Viscosity	No data available
Other Information	No additional information available.

SECTION 10: STABILITY AND REACTIVITY

Reactivity:	In molten form may react violently with water.
Chemical Stability:	Stable under recommended handling and storage conditions (see section 7).
Possibility of Hazardous Reactions:	Hazardous polymerization will not occur.
Conditions to avoid:	Incompatible materials. In molten form: moisture.
Incompatible materials:	Strong acids, strong bases, strong oxidizers.
Hazardous Decomposition Products	Thermal decomposition generates lead fumes.

SECTION 11: TOXICOLOGICAL INFORMATION

Information on likely routes of exposure

Inhalation	Inhalation of dust and fume must be avoided. This product, when used for welding and similar applications, produces chemicals known to cause cancer and birth defects (or other reproductive harm).
Eye contact	Dust or fume will be irritant.
Skin contact	Not a route of entry into the body.
Ingestion	Ingestion of dust and fume must be avoided. Antimony is toxic and dust or fume can cause nasal septal ulceration and stomach lining irritation. Tin is not regarded as toxic but excessive exposure can cause fever, nausea, stomach cramps or diarrhea.

Information On Toxicological Effects

Acute Toxicity: Not classified

Lead (7439-92-1)	
IARC Group	2A
National Toxicology Program (NTP) Status	Reasonably anticipated to be Human Carcinogen.
Reproductive Toxicity	Not classified
Specific Target Organ Toxicity (Single Exposure): Not classified	
Arsenic (7440-38-2)	
LOAEL (oral, rat)	5 mg/kg body weight
LOAEL (dermal, rat/rabbit)	300 mg/kg body weight

Specific Target Organ Toxicity (Repeated Exposure): Not classified

Aspiration Hazard Not classified

Symptoms/Injuries After Inhalation: Fumes from welding, or processing of the material can be harmful if inhaled.

Symptoms/Injuries After Skin Contact: Risk of thermal burns on contact with molten product.

Symptoms/Injuries After Eye Contact: Dust caused from milling and physical alteration will likely cause eye irritation. Fumes from thermal decomposition or molten material will likely be irritating to the eyes.

Symptoms/Injuries After Ingestion: Harmful if swallowed. May cause gastrointestinal irritation, nausea, vomiting and diarrhea.

Chronic Symptoms: May cause cancer. Repeated or prolonged exposure may damage the liver and kidneys.

SECTION 12: ECOLOGICAL INFORMATION

Toxicity

Ecology - General	This material is hazardous to the aquatic environment. Keep out of sewers and waterways.
Ecology - Water	Harmful to aquatic life. Harmful to aquatic life with long-lasting effects.
Persistence and Degradability	No additional information available.
Bioaccumulative Potential:	No additional information available.
Mobility in Soil:	No additional information available.
Other Information:	Avoid release to the environment.

SECTION 13: DISPOSAL CONSIDERATIONS

Waste Treatment Methods

Waste Disposal Recommendations: Dispose of waste material in accordance with all local, regional, national, and international regulations.

Ecology - Waste Materials: Avoid release to the environment.

SECTION 14: TRANSPORT INFORMATION

In Accordance with DOT	Not regulated for transport.
In Accordance with IMDG	Not regulated for transport.
In Accordance with IATA	Not regulated for transport.

SECTION 15: REGULATORY INFORMATION**US Regulations****ANTIMONY ALLOY****SARA Section 311/322 Hazard Classes****Antimony (7440-36-0)**

Listed on the United States TSCA (Toxic Substances Control Act) inventory

Listed on the United States SARA Section 313

SARA Section 313 - Emission Reporting 1.0%**Tin (7440-31-5)**

Listed on the United States TSCA (Toxic Substances Control Act) inventory

Copper (7440-50-8) 1.0%

Listed on the United States TSCA (Toxic Substances Control Act) inventory

Listed on the United States SARA Section 313

SARA Section 311/313 Hazard Classes Delayed (chronic) health hazard**Lead (7439-92-1)**

Listed on the United States TSCA (Toxic Substances Control Act) inventory

Listed on the United States SARA Section 313

SARA Section 313 - Emission Reporting 0.1%**US State Regulations****Lead (7439-92-1)****US - California-Proposition 65-Carcinogens List****US - California-Proposition 65-Developmental Toxicity****US - California-Proposition 65-Reproductive Toxicity - Female****US - California-Proposition 65-Reproductive Toxicity - Male****Antimony (7440-36-0)**

US Massachusetts - Right To Know List

US - New Jersey - Right To Know Hazardous Substance List

US - Pennsylvania - RTK (Right To Know) - Environmental Hazard List

US - Pennsylvania - RTK (Right To Know) - List

Tin (7440-31-5)

US - Massachusetts - Right To Know List

US - New Jersey - Right To Know Hazardous Substance List

US - Pennsylvania - RTK (Right To Know) - List

Copper (7440-50-8)

US - Massachusetts - Right To Know List

US - Pennsylvania - RTK (Right To Know) - Environmental Hazard List

US - Pennsylvania - RTK (Right To Know) - Special Hazardous List

US - Pennsylvania - RTK (Right To Know) - List

Lead (7439-92-1)

US - Massachusetts - Right To Know List

US - New Jersey - Right To Know Hazardous Substance List

US - Pennsylvania - RTK (Right To Know) - Environmental Hazard List

US - Pennsylvania - RTK (Right To Know) - List

SECTION 16: OTHER INFORMATION, INCLUDING DATE OF PREPARATION OR LAST REVISION**Revision Date** 8/31/2015**Other Information** : This document has been prepared in accordance with the SDS requirements of the OSHA Hazard Communication Standard 29 CFR 1910.1200.**GHS Full Text Phrases:**

Acute Tox. 3 (Inhalation: dust, mist)
Acute Tox. 3 (Oral)
Aquatic Acute 1
Aquatic Acute 3
Aquatic Chronic 1
Aquatic Chronic 3
Carc. 1A
Carc. 1B
Comb. Dust
STOT SE 1
H301
H331
H350
H370
H400
H402
H410
H412

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