Safety Data Sheet

Freeman Pattern Letters – White Metal

Section 1 Identification

Product identifier

Freeman Pattern Letters – White Metal

Recommended use

Industrial/professional use only

Details of the supplier of the safety data sheet:

Freeman Manufacturing & Supply Company
1101 Moore Road, Avon, OH 44011-4043 USA
Telephone: +1 (440) 934-1902
Email: contactus@freemansupply.com

Emergency Phone Number:
+1 (800) 321-8511

Section 2 Hazards Identification

GHS Classification in accordance with 1910

Acute toxicity-oral, Category 4
Carcinogenicity, Category 1
Acute toxicity-inhalation, Category 4
Hazardous to the aquatic environment, acute and prolonged, Category 1
Reproductive toxicity, Category 2
Specific Target Organ Toxicity - Repeated Exposure, Category 2

Label elements

Danger

Hazard Statements

H302+332: Harmful if swallowed or inhaled
H350: May cause cancer.
H361: Suspected of damaging fertility or the unborn child.
H373: May cause damage to organs through prolonged or repeated exposure.
H410: Very toxic to aquatic life with long lasting effects

Precautionary Statements

P264: Wash hands thoroughly after handling
P260: Do not breath dust/fumes/gas/mist/vapors/spray
P270: Do not eat, drink or smoke when using product
P271: Use only outdoors or in well ventilated area
P301 + P312: IF SWALLOWED: Call a POISON CONTROL center or doctor if you feel unwell
P330: Rinse mouth
P304+340: If inhaled, remove person to fresh air and keep comfortable for breathing
P312: Call a POISON CONTROL CENTER/DOCTOR if you feel unwell
P201: Obtain special instructions before use.
P202: Do not handle until all safety precautions have been read and understood.
P280: Wear protective clothing/gloves/eye and face protection
P308+P313: If exposed or concerned: Get medical advice/attention.
P314: Get medical advice/attention if you feel unwell.
P405: Store locked up
P501: Dispose of in accordance with local and federal regulations.
P273: Avoid release to the environment.
P391: Collect spillage

Section 3 Composition/Information on Ingredients

Ingredient Name	CAS Number	Weight %
Lead Metal	7439-92-1	70-100
Antimony, Metal	7440-36-0	0-20
Tin, Metal	7440-31-5	0.08-15

Section 4 First Aid Measures

General First-aid Measures: Under normal handling and use, exposure to solid forms of this material present few health hazards. Subsequent operations such as grinding, melting or welding may produce hazardous dust or fumes which can be inhaled or come in contact with the skin or eyes.
Inhalation: Remove to fresh air, keep warm and quiet, give oxygen if breathing is difficult. Seek immediate medical attention. Treat pulmonary edema as a priority, even if no symptoms (i.e. wheezing, coughing, shortness of breath, etc.) are apparent. Symptoms of pulmonary edema can be delayed up to 48 hours after exposure. Quickly transport victim to an emergency care facility.
Ingestion: Rinse mouth with water. Do not induce vomiting. Seek immediate medical attention. Never induce vomiting or give anything by mouth to an unconscious person. Ingested cadmium may lead to spontaneous vomiting. If vomiting occurs naturally, have victim rinse mouth with water again.
Skin Contact: Remove contaminated clothing, wash affected area with soap and water. Seek medical attention. Wash contaminated clothing before reusing. Molten Metal: Flush contact area to solidify and cool but do not attempt to remove encrusted material or clothing. Cover burns and seek medical attention immediately.

Section 5 Fire-Fighting Measures

Extinguishing Media: Use dry chemical, CO2 or appropriate foam, Water spray.
Fire-Fighting Methods and Protective Measures: Use dry chemical or cover with a dry sand or lime. Firefighters should wear full protective equipment and NIOSH approved self-contained breathing apparatus.
Fire and Explosive Hazards: Fire or excessive heat may produce hazardous decomposition products. Avoid dusting. May become explosive when dispersed in air.
Hazardous Decomposition Products: Antimony, Metal Oxides.

Section 6 Accidental Release Measures

Personal Precautions: Exposure to the spilled material may be irritating or harmful. Follow personal protective equipment recommendations found in Section 8 of this SDS. Additional precautions may be necessary based on special circumstances created by the spill including; the material spilled, the quantity of the spill, the area in which the spill occurred. Also consider the expertise of employees in the area responding to the spill. Avoid breathing dust/fume/gas/mist/vapors/spray. Avoid creating and inhaling dust. Prevent the spread of any spill to minimize harm to human health and the environment if safe to do so. Wear complete and proper personal protective equipment following the recommendation of Section 8 at a minimum.
Environmental Precautions: Avoid release to the environment.
Methods for Containment and Clean Up: Dike with suitable absorbent material like granulated clay. Gather and store in a sealed container pending a waste disposal evaluation, collect spillage.

Section 7 Handling and Storage

Precautions for safe handling: Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Do not breathe dust/fume/gas/mist/vapors/spray. Wash thoroughly after handling. Do no eat, drink or smoke when using this product. Use personal protective equipment as required. Keep container tightly closed in a cool, well-ventilated place. Keep container dry. Do not breathe gas/fumes/vapor/spray.

Storage: Store locked up. Keep container tightly closed in a cool, well-ventilated place.

Section 8 Exposure Controls/Personal Protection

Exposure Guidelines

Ingredient Name	ACGIH - TWA	OSHA PEL - TWA
Lead, Metal	0.05 mg/m³	50 µg/m³
Antimony, Metal	0.05 mg/m³	50 µg/m³

Engineering Measures

Local exhaust ventilation or other engineering controls are not normally required when handling or using this product to avoid overexposure.

Personal Protective Equipment (PPE)

Eye 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.

Hand and Skin Protection: Avoid skin contact. Wear gloves, and other protective equipment depending upon conditions of use. Clean protective equipment regularly. Wash hands and other exposed areas with mild soap and water before eating, drinking, smoking and when leaving work.

Respiratory Protection: No respiratory protection required under normal conditions of use. Respiratory protection may be required in addition to ventilation depending upon conditions of use. 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.

Other Protective Measures

Prevent skin contact and contamination of personal clothing. An eye wash facility and washing facility should be available in the work area. Follow applicable regulations and good Industrial Hygiene practice.

Section 9 Physical and Chemical Properties

Appearance	Silvery-gray solid metal
Odor	Odorless
Odor Threshold	No data available
pH	No data available
Melting Point/Range	360-620°F
Boiling Point	2984°F
Flash Point	No data available
Evaporation Rate	No data available
Flammability (solid, gas)	No data available
Vapor Pressure	No data available
Specific Gravity	No data available
Solubility	Insoluble in water
Autoignition Temperature	No data available
Decomposition Temperature	No data available

Section 10 Stability and Reactivity

Reactivity: None under conditions of normal use.
Chemical Stability: Stable under recommended handling and storage conditions. (see section 7)
Possibility of Hazardous Reactions: Hazardous polymerization will not occur.
Conditions to Avoid: Avoid creating and inhaling dust. Keep away from oxidizing materials and strong acids. Store in a cool dry place. Isolate from incompatible material.
Incompatible Materials: Strong Acids, strong oxidizers, Chlorine, Halogens, Bromine, Trifluoride, strong acids, strong oxidizing agents, Sulfur, Alkali, and Alkaline metals.
Hazardous Decomposition Products: Antimony

Section 11 Toxicological Information

Acute Toxicity Values

Ingredient Name	CAS Number	Oral LD50	Dermal LD50	Inhalation LD50
Lead, Metal	7439-92-1	Not Established	Not Established	Not Established
Antimony, Metal	7440-36-0	(Rat) 100mg	Not Established	Not Established

Acute and Chronic Health Effects

Eye Contact: No data available
Skin Contact: No data available
Inhalation: Harmful if inhaled.
Ingestion: Harmful if swallowed
Respiratory Sensitization: Components are not classified as respiratory sensitizers.
Skin Sensitization: Components are not classified as skin sensitizers.
Germ Cell Mutagenicity: Components are not classified as mutagens.
Carcinogenicity: Lead is listed as a human carcinogen (NTP), Lead is classified as 2A (IARC)
Reproductive Toxicity: Evidence of negative reproductive effects.
Specific Target Organ Toxicity: May cause damage to organs through prolonged or repeated exposure.

Section 12 Ecological Information

Ecotoxicity: Moderate ecological hazard. This product may be dangerous to plants and/or wildlife. Highly/very toxic to fish and other water organisms.
Antimony, metal: 96 HR LC50 ONCORHYNCHUS MYKISS 1.32 MG/L
Persistence and Degradability: No information available
Bioaccumulation/ Accumulation: No information available.
Mobility: No information available.

Section 13 Disposal Considerations

Dispose in accordance with all applicable Federal, State and Local regulations. Always contact a permitted waste disposer (TSD) to assure compliance

Section 14 Transport Information

DOT/IATA

UN3077, Environmentally hazardous substances, solid, n.o.s. (Lead group entry Annex I), 9, III.
Marine pollutant: No
Reportable Quantity (RQ): 10lb.

Section 15 Regulatory Information

U.S. Federal Regulations

TSCA: All components in this product are on the TSCA Inventory.

CERCLA RQ: Lead, Metal (7439-92-1): 10lb final RQ (no re-porting of releases of this hazardous sub-stance is required if the diameter of the pieces of solid metal released is >100 µm):4.54kg final RQ (no reporting of releases of this hazardous substance is required if the diameter of the pieces of the solid metal is >100µm)

CERCLA RQ: Antimony, Metal (7440-36-0): 500lb final RQ (no reporting of releases of this hazardous substance is required if the diameter of the pieces of solid metal released is >100 µm): 2270kg final RQ (no reporting of releases of this hazardous substance is required if the diameter of the pieces of the solid metal is >100µm)

SARA Section 313: None

SARA Section: 302 None

CAA 112(2) TQ: None

Section 16 Other Information

Training Advice

All personnel using/handling this product should be trained in proper chemical handling and the need for and use of engineering controls and protective equipment.

Recommended Uses and Restrictions

This product is intended for industrial/professional use only.

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