



Material Safety Data Sheets

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Section 1 – Product Information

Product Name: Alumilite Metallic Powder (Silver)
Chemical Family: Aluminum Powder

Section 2 – Ingredients

Components: Proprietary Information

Section 3 – Hazardous Identification

Eye Contact: May be irritating.
Skin Contact: Prolonged contact may cause irritation.
Inhalation: May cause irritation of the respiratory tract.
Ingestion: May cause irritation to the mouth, throat, and gastro-intestinal tract.
Primary Entry Routes: Skin, eye, and inhalation.
Pre-Existing Medical Conditions Aggravated: Upper respiratory and lung diseases.
Carcinogenicity: IARC: No NTP: No OSHA: No
Known California Proposition 65 Chemical: None

Section 4 – First Aid

Eye Contact: Flush thoroughly with water for at least 15 minutes. If irritation persists, obtain medical assistance.
Skin Contact: Wash with soap and water. Remove and wash contaminated clothing.
Inhalation: Move to fresh air. Restore normal breathing and administer oxygen if necessary. If there are symptoms obtain medical assistance.
Ingestion: Drink 1 or 2 glasses of water to dilute. Do not induce vomiting. Get medical advice. Treat symptomatically.

Section 5 – Fire Fighting Measures

Flashpoint (°F) & Method: N/A
Flammable Limits: LEL: 30 ounces/1000 cubic feet UEL: No data
Unusual Fire And Explosion Hazards: Closed containers may explode when exposed to extreme heat. Water and finely divided aluminum react violently to form hydrogen gas. Aluminum burns at very high temperatures as a mass. Any disturbance that might create a dust cloud can result in explosion.
Extinguishing Media: Class D dry chemical or dry sand. **Do not** use class A, B or C extinguishers or halogenated extinguishing agents. Do not use water. An aluminum fire may react with water to form hydrogen gas. Hydrogen gas is flammable and explosive.
Fire Fighting: Use SCBA in confined areas. If the aluminum has ignited, do not attempt to extinguish it. Isolate the fire by ringing it with dry sand, then let it alone. Allow the material to become cold prior to disposal. Closed containers that are exposed to the heat of a fire should be cooled with water fog. Do not allow dust clouds to form.
Decomposition Products Under Fire Conditions: Carbon monoxide, carbon dioxide, smoke, and aluminum oxide.



Section 6 – Accidental Release Measures

General: Remove all sources of ignition. Keep people away. Ventilate area. Collect for disposal with spark-proof tools.
Waste Disposal: Put in drum or other container.

Section 7 – Handling and Storage

Storage: Store in closed containers in a well-ventilated area. Protect against electrostatic charges. Do not store above 120°F.

Section 8 – Exposure Controls & Personal Protection

Clothing: Rubber gloves recommended.
Eyes: Glasses recommended.
Respiration: Use dust mask in confined or enclosed spaces, if needed.
Ventilation: Use with ventilation sufficient to prevent buildup of dangerous concentrations of dust in air.
Other: Use explosion proof equipment. Remove all sources of ignition.

Section 9 – Physical & Chemical Properties

Specific Gravity: 2.7
Melting Point, °F: 1131 (aluminum)
Vapor Density (Air = 1): N/A
Boiling Range, °F: N/A
Vapor Pressure, mmhg, at °F: N/A
Solubility In Water, Wt. %: Negligible
Evaporation Rate (N-Butyl Acetate = 1): N/A
% Volatile (By Weight): 0

Section 10 – Stability & Reactivity

Stability: Stable
Hazardous Polymerization: Will not occur
Conditions To Avoid Hazardous Polymerization: N/A
Materials And Conditions To Avoid Incompatibility: Heat, sparks open flames, water, acids, alkalies, strong oxidizing agents.
Hazardous Decomposition Products: Aluminum reacts with water, acids, and alkalies to form hydrogen gas.

Section 11 – Toxicological Information

No toxicity studies have been conducted on this product. Please refer to Section 3 for available information on potential health effects.

Section 12 – Ecological Information

No ecological testing has been done on this product. Please refer to Section 6 for information regarding accidental releases.

Section 13 – Disposal Information

Waste Disposal: Dispose in accordance with local, state, and federal regulations. Contract with authorized disposal service.

Section 14 – Transportation Information

DOT Shipping Description (Domestic Ground Shipping):

UN Number: UN-1309
Shipping Name: Aluminum Powder, Coated



Hazard Class: 4.1 (Flammable Solids)
Packing Group: II
Hazard Label: Flammable Solid

Section 15 – Regulatory Information

TSCA: All ingredients are listed in EPA's TSCA inventory and the Canadian DSL.
OSHA: This document has been prepared in accordance with the MSDS requirements of the OSHA Hazard Communication Standard, 29 CFR 1910.1200

Known California Proposition 65 Chemical: None
Other: This product(s) contains the following SARA Section 313 Reportable Ingredients: Aluminum

Hazardous Health Rating: **Health: 0 Fire: 3 Reactivity: 3**

Section 16 – Other Information

To the best of our knowledge, the information contained herein is accurate. However, Alumilite does not assume any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be handled with care. Although we have described herein all of the hazards to which we are currently aware, we cannot guarantee that these are the only hazards which exist. While the descriptions, designs, data, and information contained herein are presented in good faith and believed to be accurate, it is provided for your guidance only. Further, you expressly understand and agree that the descriptions, designs, data, and information furnished by Alumilite hereunder are given gratis and Alumilite assumes no obligation or liability for the description, designs, data, and information given or results obtained, all such being given and accepted at your risk.

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