

1. Identification

Product Identifier: **Alumilite Gold Metallic Powder**
Alumilite Copper Metallic Powder

Product Code(s): AL32005, AL32002

Use: Metallic Powder for filling castings. For Industrial/Professional use only.

Manufacturer: Alumilite
315 E. North Street Kalamazoo, MI 49007 USA

Phone Number: +1 800-447-9344 (9 a.m. to 5 p.m. EST)

Emergency Phone: CHEMTREC 800-424-9300 or
+1 703-527-3887

E-mail: info@alumilite.com

2. Hazards Identification

GHS Classification:

Acute Toxicity-Oral Category 4

Label Elements: Warning!



Hazard Phrases

H302 Harmful if swallowed.

Precautionary Phrases

P264 Wash hands thoroughly after handling.

P270 Do not eat, drink or smoke when using this product.

P301+312IF SWALLOWED: Call a POISON CENTER/doctor if you feel unwell.

P330 Rinse mouth.

P501 Dispose of contents and container in accordance with local, regional and national regulations.

Supplemental Information: None

3. Composition/Information on Ingredients

Chemical Name	CAS #	%
Copper powder	7440-50-8	>70
Zinc powder	7440-66-6	>30
Other ingredients are not classified as health, physical or environmental hazards, or are present below cut-off/concentration limits.		

4. First-Aid Measures

Eye Contact: Rinse thoroughly with water, holding the eyelids open to be sure the material is washed out. Remove contact lenses if safe and easy to do. Continue rinsing. Get medical attention if irritation persists.

Skin Contact: Remove contaminated clothing. Wash contact area thoroughly with soap and water. Generally the product does not irritate the skin.

Inhalation: Remove person to fresh air. Get medical attention if symptoms occur.

Ingestion: Do not induce vomiting unless directed to do so by medical personnel. Get medical attention.

Most Important Symptoms/Effects: None

Indication of Immediate Medical Attention/Special Treatment: No further relevant information available.

5. Fire-Fighting Measures

Extinguishing Media: Use dry sand, foam, special powder for metal fires. Do not use solid water stream.

Specific Hazards: Not classified as flammable or combustible. Product will burn under fire conditions. Use firefighting measures that suit the environment.

Special Protective Equipment & Precautions for Fire-Fighters: Wear positive pressure, self-contained breathing apparatus and full-body protective clothing.

6. Accidental Release Measures

Personal Precautions, Protective Equipment and Emergency

Procedures: Remove all ignition sources. Clear non-emergency personnel from the area. Wear appropriate protective clothing to prevent eye and skin contact and avoid breathing vapors. Avoid formation of dust.

Methods and Materials for Containment and Cleanup: Do not allow to enter sewage system or any other water course. Pick up mechanically. Do not flus with water or aqueous cleaning agents.

7. Handling and Storage

Safe Handling: Avoid formation of dust. Do not eat, drink or smoke in the work area. Keep unprotected persons away. Keep ignition sources away.

Safe Storage: Store in a cool, dry place. Store in original containers. Avoid getting moisture into containers. Keep containers tightly closed.

8. Exposure Controls/Personal Protection

Occupational Exposure Limits: For Copper (7440-50-8):

ACGIH TLV 1 mg/m³ (as dust) TWA

For Zinc (7440-66-6):

ACGIH TLV 10 mg/m³ (total dust) TWA

Ventilation: Use with adequate general or local exhaust ventilation to minimize exposure levels.

Respiratory Protection: If needed, an approved respirator with particulate cartridges may be used. Respirator selection and use should be based on contaminant type, form and concentration.

Skin Protection: Wear impervious gloves, such as butyl rubber or nitrile rubber.

Eye Protection: Wear chemical safety goggles. Do not wear contact lenses.

Other Protective Measures: Wash hands with soap and water before eating, drinking or smoking. An eye wash facility and washing facility should be available in the work area. Follow applicable regulations and good Industrial Hygiene practice.

9. Physical and Chemical Properties

Appearance: Bronze colored powder

Odor: Characteristic

Odor Threshold: No data available

pH: No data available

Melting Point: No data available

Boiling Point: No data available

Flash Point: No data available

Evap. Rate: No data available

Upper/Lower Flammability Limits: No data available

Vapor Pressure: No data available

Vapor Density: No data available

Relative Density: No data available

Solubility: No data available

Partition Coefficient: n-octanol/Water: No data available

Auto-Ignition Temp: No data available

Decomposition Temp: No data available

Viscosity: No data available

10. Stability and Reactivity

Reactivity: Not normally reactive.

Chemical Stability: Stable under recommended conditions.

Possibility of Hazardous Reactions: None known.

Conditions to Avoid: Heat, open flames, sparks, water.

Incompatible Materials: Strong oxidizing agents, such as liquid chlorine, concentrated oxygen, sodium hyperchlorite, magnesium metal and acetylene gas.

Hazardous Decomposition Products: None known.

11. Toxicological Information

Eye Contact: May cause mild eye irritation

Skin Contact: May cause mild irritation.

Inhalation: No information available.

Ingestion: No information available.

Chronic Health Effects: No data available.

Acute Toxicity Values: Oral (rat) LD₅₀ >2,000 mg/kg; Inhalation (rat) LC₅₀ 5.4 mg/L/1 hr

Respiratory Irritation: Components are not classified as respiratory irritants.

Respiratory Sensitization: Components are not respiratory sensitizers.

Skin Sensitization: Components are classified as skin sensitizers.

Germ Cell Mutagenicity: Components are not mutagens.

Carcinogenicity: Components are not carcinogens.

Reproductive Toxicity: Components are not reproductive toxins.

Specific Target Organ Toxicity: Single Exposure: No data available.

Repeat Exposure: No data available.

12. Ecological Information

Ecotoxicity: Do not allow product to reach ground water, water course or sewage system.

Persistence and Degradability: No data available.

Bioaccumulative Potential: No data available.

Mobility in Soil: No data available.

13. Disposal Considerations

Dispose according to local, state and federal regulations.

14. Transport Information

DOT: UN 3077, Environmentally hazardous substance, solid, n.o.s. (Brass powder), 9, III.

IMDG & IATA: UN 3077, Environmentally hazardous substance, solid, n.o.s. (Brass powder), 9, III.

Emergency Shipping Information: Call CHEMTREC, 800-424-9300 or +1-703-527-3887.

15. Regulatory Information

U.S. FEDERAL REGULATIONS:

CERCLA 103 Reportable Quantity: Copper and zinc compounds are subject to reporting under CERCLA but have no reportable quantity. Some states have more stringent reporting requirements. Report all spills in accordance with local, state, and federal regulations.

SARA TITLE III

Section 313 Toxic Chemicals: This product contains the following chemicals subject to SARA Title III Section 313 Reporting requirements:

Copper	CAS 7440-50-8	65-99%
Zinc	CAS 7440-66-6	0-32%

Section 302 Extremely Hazardous Substances (TPQ): None

EPA Toxic Substances Control Act (TSCA) Status: All of the components of this product are listed on TSCA.

STATE REGULATIONS:

California Proposition 65: This product does NOT contain substances known to the State of California to cause cancer and/or reproductive harm.

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.

SDS Revision Notes: GHS Format November 7, 2018

Disclaimer: The information contained herein is considered accurate; however, Alumilite makes no warranty regarding the accuracy of the information. The user must determine the suitability of the product for the intended use and accepts all risk and liability associated with that use.