

1. Identification

Product Identifier: **Bronze Powder**
 Product Code(s): BRONZE
 Use: Bronze powder for filling castings. For Industrial/Professional use only.
 Manufacturer: Polytek Development Corp.
 55 Hilton St., Easton, PA 18042
 Phone Number: 610-559-8620 (9 a.m. to 5 p.m. EST)
 Emergency Phone: CHEMTREC 800-424-9300 or +1 (703) 527-3887
 E-mail: sds@polytek.com

2. Hazards Identification

GHS Classification:

Eye Irritation Category 2A
 Specific Target Organ Toxicity-Single Exposure Category 3

Label Elements: Warning



Hazard Phrases

H319 Causes serious eye irritation.
 H335 May cause respiratory irritation.

Precautionary Phrases

P261 Avoid breathing dust.
 P264 Wash thoroughly after handling.
 P271 Use only outdoors or in a well-ventilated area.
 P280 Wear protective gloves, eye protection, and dust mask.
 P305+351+338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
 P304+340 IF INHALED: If breathing is difficult, remove person to fresh air and keep comfortable for breathing.
 P337+313 If eye irritation persists: Get medical attention.
 P501 Dispose of contents and container in accordance with local, regional and national regulations.

Supplemental Information: May cause mild skin irritation.

3. Composition/Information on Ingredients

Chemical Name	CAS #	%
Copper	7440-50-8	50-91
Tin	7440-31-5	9-50

4. First-Aid Measures

Eye Contact: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

Skin Contact: Wash with soap and water.

Inhalation: Remove person to fresh air. If breathing is difficult, remove person to fresh air and keep comfortable for breathing.

Ingestion: Give 200-300 ml water to drink. Do not induce vomiting. Get medical attention.

Most Important Symptoms/Effects: No data available.

Indication of Immediate Medical Attention/Special Treatment: No data available.

5. Fire-Fighting Measures

Extinguishing Media: Use ABC extinguisher, carbon dioxide or water spray.

Specific Hazards: None known.

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: Minimize dust generation. Cleanup with vacuum.

Methods and Materials for Containment and Cleanup: Collect into an appropriate container for disposal.

7. Handling and Storage

Safe Handling: Use in well-ventilated area. Avoid contact with skin and eyes. Wash thoroughly after handling.

Safe Storage: Store at room temperature.

8. Exposure Controls/Personal Protection

Occupational Exposure Limits:

Copper / 7440-50-8	ACGIH TLV 1 mg/m ³ TWA OSHA PEL 1 mg/m ³
Tin / 7440-31-5	ACGIH TLV 2 mg/m ³ TWA OSHA PEL 2 mg/m ³

Ventilation: Use with adequate general or local exhaust ventilation.

Respiratory Protection: Wear suitable respiratory protection. Usually a NIOSH-approved dust mask is sufficient. For respirator selection and use, see OSHA's Respiratory Protection Std (29 CFR 1910.134).

Skin Protection: Wear gloves.

Eye Protection: Wear safety glasses or goggles.

Other Protective Measures: Follow good Industrial Hygiene practice.

9. Physical and Chemical Properties

Appearance: Brown powder

Odor: None

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

Flammability Limits: No data available

Vapor Pressure: No data available

Vapor Density: No data available

Relative Density: 8 @ 25°C

Solubility: Insoluble in water

Partition Coefficient: No data available

Auto-Ignition Temp: No data available

Decomposition Temp: No data available

Viscosity: Not applicable

10. Stability and Reactivity

Reactivity: Not normally reactive.

Chemical Stability: Stable under recommended conditions.

Possibility of Hazardous Reactions: Under recommended conditions of storage and use, hazardous reactions will not occur.

Conditions to Avoid: Avoid moisture.

Incompatible Materials: Strong alkalis, chlorates, bromates, turpentine, mineral acids, amines.

Hazardous Decomposition Products: Possibly hydrogen and noxious copper and tin compounds.

11. Toxicological Information

Eye Contact: Causes serious eye irritation

Skin Contact: May cause skin irritation.

Inhalation: May cause respiratory irritation.

Ingestion: Irritation of mouth, throat and intestinal tract, such as, nausea, vomiting and diarrhea. Acute poisoning is characterized by, jaundice, hypotension and convulsions.

Chronic Health Effects: No data available.

Acute Toxicity Values: No data available.

Germ Cell Mutagenicity: Not classified as a mutagen.

Carcinogenicity: Based on available information, this product does not contain constituents at concentrations exceeding 0.1% that are listed as carcinogens by IARC, NTP, or OSHA.

Reproductive Toxicity: Not classified as a reproductive toxin.

Specific Target Organ Toxicity: Not classified as a specific organ toxicant via single or repeated exposure.

12. Ecological Information

Ecotoxicity: Not classified as toxic to the aquatic environment.

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

Not regulated for transport by any mode.

Emergency Shipping Info: CHEMTREC, 800-424-9300 or +1-703-527-3887

15. Regulatory Information

U.S. FEDERAL REGULATIONS:

CERCLA 103 Reportable Quantity: This product is not subject to reporting under CERCLA.

SARA TITLE III

Section 311/312: Acute.

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

Copper, CAS 744-50-8 50-90 %

Section 302 Extremely Hazardous Substances (TPQ): None

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

STATE REGULATIONS:

California Proposition 65: Based on information available, this product does not contain substances known to the State of California to cause cancer and/or reproductive harm.

16. Other Information

Recommended Uses and Restrictions: This product is intended for Industrial/Professional use only.

SDS Revision Notes: New GHS format. Supersedes Aug. 15, 2011.

Disclaimer: The information contained herein is considered accurate; however, Polytek 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.