

1. Chemical Product and Company Identification

Polytek Development Corp., 55 Hilton St., Easton, PA 18042, 610/559-8620
Product Name: **BRONZE POWDER**
Chemical Family: Copper and Tin

2. Hazardous Constituents

Ingredient/CAS #	Weight %	Exposure Limits
Copper / 7440-50-8	50-90	ACGIH TLV 1 mg/m ³ TWA OSHA PEL 1 mg/m ³
Tin / 7440-31-5	10-50	ACGIH TLV 2 mg/m ³ TWA OSHA PEL 2 mg/m ³

3. Health Hazards

PRIMARY ROUTE(S) OF ENTRY: Inhalation, skin or eye contact
TARGET ORGANS: Respiratory system, nasal septum, skin, eyes, gastrointestinal system, kidneys, liver, and cardiovascular system
INHALATION: May cause nasal ulceration/perforation and respiratory irritation.
SKIN: Prolonged contact may cause irritation and sensitization dermatitis.
EYE: May cause eye irritation.
INGESTION: If swallowed symptoms may include: gastrointestinal irritation such as, nausea, vomiting diarrhea and collapse. Acute poisoning is characterized by, jaundice, hypotension and convulsions.
CARCINOGENICITY: This product contains no components listed as carcinogenic by IARC, NTP, and OSHA 1910(Z).
CHRONIC EFFECTS: Unknown

4. First Aid Measures

EYE CONTACT: Flush with water for at least 15 minutes. Seek medical attention.
SKIN CONTACT: Wipe off. Wash with soap and plenty of warm water.
INHALATION: Remove to fresh air. Treat symptoms. Seek medical attention.
INGESTION: If alert, dilute by drinking water or milk. Seek medical attention. Do not induce vomiting unless so directed by a medical professional.

5. Fire Fighting Measures

FLASH POINT: NA
EXTINGUISHING MEDIA: Carbon dioxide, dry chemical, foams, or water spray.
HAZARDOUS COMBUSTION PRODUCTS: Copper and tin compounds.
OTHER INFORMATION: Firefighters wear SCBA and full-body protective suit. Do not release runoff from fire control methods to sewers or waterways.

6. Accidental Release Measures

Sweep gently to avoid dust cloud formation.

7. Handling and Storage

HANDLING: Minimize breathing of dust and avoid prolonged or repeated contact with skin. Wear proper protective equipment. Use in well ventilated area. Do not eat, drink or smoke in work area. Wash hands after handling. See Section 8.
STORAGE: Store indoors at room temperature in well-ventilated area. Protect from atmospheric moisture. Do not allow water to get into container.

8. Exposure Controls/Personal Protection

ENGINEERING CONTROLS: Provide general and/or local exhaust to maintain airborne concentrations below exposure limits (see Section 2 for exposure limits). Verify that exposure limits are not exceeded through exposure monitoring.
PERSONAL PROTECTIVE EQUIPMENT: Wear eye protection (chemical splash goggles or safety glasses), work clothing, and impermeable gloves (rubber).
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).

9. Physical Characteristics

APPEARANCE: Reddish powder
ODOR: None
SOLUBILITY IN WATER: Insoluble
VAPOR PRESS.: < 0.1 mm Hg @ 25°C
SPECIFIC GRAVITY: 8.0 @ 25°C
BOILING POINT: Not determined

10. Stability and Reactivity

CONDITIONS TO AVOID: Avoid moisture.
INCOMPATIBILITY WITH OTHER MATERIALS: Strong alkalis, chlorates, bromates, turpentine, mineral acids, amines.
HAZARDOUS DECOMPOSITION PRODUCTS: Possibly hydrogen and noxious copper and tin compounds.

11. Regulatory and Other Information

COMMUNITY RIGHT-TO-KNOW: Contains the following Section 313 ingredient:
Copper, CAS 744-50-8 50-90 %
DISPOSAL: Upon disposal, this product is not a RCRA hazardous waste (per 40 CFR 261). Follow state and local regulations.
TRANSPORTATION: Not a hazardous material for shipping purposes based on United Nations Recommendations for the Transport of Dangerous Goods and 49 CFR Part 171.
HMIS RATINGS: Health=2*; Flammability=0; Reactivity=0; PPE=C
EMERGENCY SHIPPING INFORMATION: Call CHEMTREC, 800/424-9300.
REVISION INDICATOR: Format changes.
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.