

# MATERIAL SAFETY DATA SHEET

24 HR. EMERGENCY PHONE # CHEM-TREC 1-800-424-9300

Manufacturer: ProChem, Inc.  
826 Roosevelt Road  
Rockford, IL 61109

Phone: (815) 398-1788  
Fax: (815) 398-1810  
E-Mail: Prochem1@aol.com

---

## SECTION 1 Product Identification

---

**CHEMICAL NAME:** Copper shot

**CAS #:** 7440-50-8

**FORMULA:** Cu

**SYNONYM:** Bronze powder, CDA 101,102,110,122, Copper bronze, Gold bronze

---

## SECTION 2 Composition and Information on Ingredients

---

INGREDIENT:	CAS #	%	ACGIH (TWA)	OSHA (PEL)
Title Compound	7440-50-8	100	no data	1mg/m3(Cu as dust)

---

## SECTION 3 Hazards Identification

---

**EMERGENCY OVERVIEW:** Inhalation hazard as a fine dust or fume.

**PRIMARY ROUTES OF EXPOSURE:** Ingestion, inhalation (of dust or fume)

**EYE CONTACT:** The dust may cause slight to mild irritation of the eyes

**SKIN CONTACT:** The dust may cause slight to mild irritation of the skin.

**INHALATION:** Hazard associated with inhalation of fine dust or fume. May be irritating to nasal cavity and respiratory tract.

**INGESTION:** No specific information is available on the physiological effects of ingestion. May cause vomiting and diarrhea.

**CHRONIC HEALTH EFFECTS:** No information available on long-term chronic effects.

**ACUTE HEALTH EFFECTS:** Dust may be irritating to skin, eyes and respiratory tract. Ingestion can lead to gastrointestinal effect vomiting and nausea.

---

## SECTION 4 First Aid Measures

---

**EYE EXPOSURE:** Immediately flush the eyes with copious amounts of water for at least 15 minutes. Assure flushing under eyelids. A victim may need assistance in keeping their eyelids open. Get immediate competent medical attention.

**SKIN EXPOSURE:** Wash affected area with water. Remove contaminated clothes if necessary. Seek medical assistance if irritation persists.

**INHALATION:** Remove the victim to fresh air. Closely monitor the victim for signs of respiratory problems, such as difficulty in breathing, coughing, wheezing, or pain. In such cases seek immediate medical assistance.

**INGESTION:** Seek medical assistance immediately. Keep the victim calm. Give the victim water (only if conscious). Induce vomiting only if directed by medical personnel.

---

## **SECTION 5                      Firefighting Measures**

---

**FLASH POINT:** none

**AUTO IGNITION TEMPERATURE:** none

**EXPLOSION LIMITS:** none

**EXTINGUISHING MEDIUM:** none

**SPECIAL FIREFIGHTING PROCEDURES:** If involved in a fire, fire fighters should be equipped with a NIOSH approved positive pressure self-contained breathing apparatus and full protective clothing.

**HAZARDOUS COMBUSTION AND DECOMPOSITION PRODUCTS:** none

**UNUSUAL FIRE OR EXPLOSION HAZARDS:** No unusual fire or explosion hazards.

---

## **SECTION 6                      Accidental Release Measures**

---

**SPILL AND LEAK PROCEDURES:** material is a metal shot - spill and leak procedures are not applicable.

---

## **SECTION 7                      Handling and Storage**

---

**HANDLING AND STORAGE:** Material is a metal shot - no special storage or handling conditions required.

---

## **SECTION 8                      Exposure Controls and Personal Protection**

---

**EYE PROTECTION:** Always wear approved safety glasses w/side shields, or safety goggles, face shield when handling a chemicals substance in the laboratory.

**SKIN PROTECTION:** Chemical-resistant.

**VENTILATION:** If possible, handle the material in an efficient fume hood.

**RESPIRATOR:** If in form of fine dust and ventilation is not available a respirator should be worn. The use of respirators requires a Respirator Protection Program to be in compliance with 29 CFR 19-10.134.

---

## **SECTION 9                      Physical and Chemical Properties**

---

**COLOR AND FORM:** metal shot

**MOLECULAR WEIGHT:** 63.54

**MELTING POINT (DEG. C.):** none

**BOILING POINT:** 2595°

**VAPOR PRESSURE:** no data

**SPECIFIC GRAVITY:** 8.94

**SOLUBILITY IN WATER:** insoluble

---

## **SECTION 10                    Stability and Reactivity**

---

**STABILITY:** air and moisture stable solid

**HAZARDOUS POLYMERIZATION:** none

**CONDITIONS TO AVOID:** prolonged exposure to moist air may lead to the formation of oxide/carbonate coatings on the metal.

**INCOMPATIBILITY:** acetylene, ammonium nitrate, halogens, azides, hydrogen peroxide, nitric acid and other

strong oxidizing agents.

**DECOMPOSITION PRODUCTS:** none

---

## **SECTION 11 Toxicological Information**

---

**RTECS DATA:** Oral (human); TDLo: 120ug/kg (effects include nausea and vomiting). Intraperitoneal (mouse); LD50: 3500ug/kg. Intrapleural (rat); TDLo: 100mg/kg. Oral (rat); TDLo: 152mg/kg. Intrauterine (rat); TDLo: 250ug/kg. Effects from animal studies include. reproductive abnormalities, musculoskeletal, fertility and maternal.

**MUTAGENIC EFFECTS:** no data

**TETRAOGENIC EFFECTS:** no data

**CARCINOGENIC EFFECTS:** no data

To the best of our knowledge the toxicological effects of this compound have not been fully investigated.

---

## **SECTION 12 Ecological Information**

---

**ECOLOGICAL INFORMATION:** No information available

---

## **SECTION 13 Disposal Considerations**

---

**DISPOSAL:** Dispose of in according to local state and federal regulations.

---

## **SECTION 14 Transportation Information**

---

Non- hazardous

Non-hazardous

---

## **SECTION 15 Regulatory Information**

---

**TSCA:** Listed in the TSCA inventory

**SARA (TITLE 313):** not regulated by Title 313

---

## **SECTION 16 Other Information**

---

**DISCLAIMER:** The information herein is believed to be accurate and reliable as of the date compiled. However, ProChem, Inc. makes no representation, warranty, or guarantee of any kind with respect to the information in this document or any use of the product based on the information.

**DATE PREPARED:** 4/06