



## MATERIAL SAFETY DATA SHEET

Manufacturer Name:	Brand X Metals, Inc.
Trade Name & Synonyms:	Copper CDA Alloy 122
Chemical Name:	Copper

### Section I – PRODUCT INGREDIENTS

Material or Component	CAS Number	% Weight	Exposure Limits OSHA PEL		Exposure Limits 8hr TWA		NTP Listed	IARC Listed
			DUST	FUME	DUST	FUME		
Base Metal Copper (Cu)	7440-50-8	99.9	1	.1	1	.2	NO	NO

HAZARDOUS MIXTURES OF OTHER LIQUIDS, SOLIDS OR GASES: If exposure to copper dust/fumes are kept below Permissible Exposure Limits (PEL) / Threshold Limit Value (TLV) all trace elements should not pose any health risk. \* Chemical(s) listed as a toxic chemical subject to the reporting requirements of Section 313 of Title III of the SARA of 1988 and 400 CFR Part 372.

### Section II. PHYSICAL DATA

Material is SOLID at 'Normal Conditions'	Appearance and odor Copper color, Odorless	% Volatile by Volume N/A	Vapor Density N/A
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Acidity / Alkalinity pH = N/A	Melting Point Approx. 1948 F Boiling Point = N/A	Specific Gravity (H2O=1) Approx. 8.9	Vapor Pressure (MM Hg @ 20 C) N/A
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### Section III – PERSONAL PROTECTIVE EQUIPMENT

RESPIRATORY PROTECTION: Appropriate dust/mist/fume respirator should be used to avoid excessive inhalation of particulates. If exposure limits are reached or exceeded, use NIOSH approved equipment.	HANDS, ARMS and BODY: Protective gloves should be worn as required for welding, burning or handling operations.
EYES and FACE: Safety glasses should be worn when grinding or cutting. Face shields should be worn when welding, cutting or burning.	OTHER CLOTHING and EQUIPMENT: As required depending on operations and safety codes.

### Section IV – EMERGENCY MEDICAL PROCEDURES

INHALATION:	Remove to fresh air; consult a physician. Copper fumes, dust are listed by OSHA as air contaminants (29 CFR 1910.1000 Sub-part Z)
EYE CONTACT:	Flush thoroughly with running water to remove particulate; obtain medical attention
SKIN CONTACT:	Flush thoroughly with water
INGESTION:	Drink water, induce vomiting, call physician



**Section V – HEALTH/SAFTEY INFORMATION**

Flash Point = N/A	Auto Ignition Temperature = N/A	Flammable Limits in Air = N/A
<b>EFFECTS OF OVEREXPOSURE:</b> Fumes and dust – sneezing, cough, congestion, nausea, metallic tastes, irritation of upper respiratory track, chills and fever.		
<b>STABILITY</b> (X) Stable ( ) Unstable		

**Section VI – ENVIRONMENTAL**

<p><b>SPILL OR LEAK PROCEDURES</b> Dust or Fume – wear respirator follow OSHA use instructions, shovel up or vacuum and place in approved DOT container and seal. Wash contaminated clothing.</p> <p><b>WASTE DISPOSAL METHOD*</b> Dispose of contaminated product and materials used in cleaning up spills or leaks in a manner approved by Federal, State or Local Laws and Regulations.</p>
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