Heegermaterials

SAFETY DATA SHEET

Copper Tungsten Alloy

				Copper rungsten Anoy				
			1. Identi	fication				
Product Name:	Copper-Tung	sten Alloy - s	sheet, foil, rod, pelle	ts				
Other:	Copper-W, T	ungsten-Cop	per Alloy, Tungsten	-Cu				
Supplian	Heeger Mat	orials Inc						
Supplier:	230 Steele S							
	CO 80206	Denver						
	United State	20						
Telephone:	925-385-810							
Email:			com					
Lillall.	sales@heegermaterials.com							
24 HOUR FMFF	RGENCY ASSIS	STANCE: CH	IEMTREC 800-424	9300				
Recommended	Uses: Scient	ific Researc	h					
	7							
		2	. Hazard(s) i	dentification				
GHS Classificat	ion (29 CER 1		Not classified as h					
GHS Label Elem			Not classified as i					
Signal Word: N	/A 🔿	してた						
Hazard Statem	ents: N/A							
Precautionary S	Statements:	N/A	12x					
	3	. Compo	sition/Inforn	nation on Ingredients				
Ingredient:	CAS#:	%:	EC#:					
Copper	7440-50-8	20-60	231-159-6					
Tungsten	7440-33-7	40-80	231-143-9	- Iha				
			4. First-aid	measures				
General Measu	res: Under nor	mal handling	and use, exposure	to solid forms of this material present few health				
hazards. Subsequent operations such as grinding, melting or welding may produce potentially hazardous dust or								
fumes which can be inhaled or come in contact with the skin or eyes.								
INHALATION : Remove to fresh air, keep warm and quiet, give oxygen if breathing is difficult. Seek medical								
attention. INGESTION: Rinse mouth with water. Do not induce vomiting. Seek medical attention. Never induce vomiting or								
				Seek medical allention. Never mouce vorniting or				
give anything by mouth to an unconscious person. SKIN: Remove contaminated clothing, brush material off skin, wash affected area with soap and water. Seek								

SKIN: Remove contaminated clothing, brush material off skin, wash affected area with soap and water. Seek medical attention if symptoms persist.

EYES: Flush eyes with lukewarm water, including under upper and lower eyelids, for at least 15 minutes. Seek medical attention if symptoms persist.

Most Important Symptoms/Effects, Acute and Delayed: May cause irritation. See section 11 for more information.

Indication of Immediate Medical Attention and Special Treatment: No other relevant information available.

5. Fire-fighting measures

Extinguishing Media: Use suitable extinguishing media for surrounding material and type of fire. **Unsuitable Extinguishing Media**: No information available.

Specific Hazards Arising from the Material: This product does not present fire or explosion hazards as shipped. Small chips, fine turnings and dust from processing may be ignitable. May emit metal oxide fumes under fire conditions.

Special Protective Equipment and Precautions for Firefighters: Full face, self-contained breathing apparatus and full protective clothing when necessary.

6. Accidental release measures

Personal Precautions, Protective Equipment, and Emergency Procedures: Wear appropriate respiratory and protective equipment specified in section 8. Avoid dust formation. Avoid contact with skin and eyes. Avoid breathing dust or fume.

Methods and Materials for Containment and Cleaning Up: Sweep or scoop up. Place in a closed container for further handling and disposal. Scrap can be collected for recycling.

Environmental Precautions: Do not allow to enter drains or to be released to the environment.

7. Handling and storage

Precautions for Safe Handling: Avoid creating dust. Provide adequate ventilation if dusts are created. See section 8 for information on personal protection equipment.

Conditions for Safe Storage: Store in a sealed container. Store in a cool, dry area. See section 10 for more information on incompatible materials.

8. Exposure controls / personal protection

Exposure Limits:	OSHA/PEL:	ACGIH/TLV:
Copper	0.1 mg/m ³	0.2 mg/m ³ 5 mg/m ³
Tungsten	5 mg/m ³	5 mg/m ³

Engineering Controls: Ensure adequate ventilation to maintain exposures below occupational limits. Whenever possible the use of local exhaust ventilation or other engineering controls is the preferred method of controlling exposure to airborne dust and fume to meet established occupational exposure limits. Use good housekeeping and sanitation practices. Do not use tobacco or food in work area. Wash thoroughly before eating or smoking. Do not blow dust off clothing or skin with compressed air.

Respiratory Protection: If permissible levels are exceeded, use NIOSH approved dust respirator.

Eye Protection: Safety glasses

Skin Protection: Wear impermeable gloves, protective work clothing as necessary.

9. Physical and chemical properties

Solid in various forms	
Silvery metallic, high copper alloys will have a copper sheen	
Odorless	
Not determined	
N/A	
No data	
No data	
N/A	
N/A	
No data	
Limit: No data	
Limit: No data	
No data	

Vapor Density:	N/A	
Relative Density (Specific Grav	∕ity) : ~:	L2 - 17 g/cc
Solubility in H ₂ O:	Insoluble	9
Partition Coefficient (n-octano	l/water):	Not determined
Autoignition Temperature:	No data	
Decomposition Temperature:	No data	
Viscosity:	N/A	

10. Stability and reactivity

Reactivity: No data

Chemical Stability: Stable under recommended storage conditions. Possibility of Hazardous Reactions: No data Conditions to Avoid: Avoid creating or accumulating fines or dusts. Incompatible Materials: Acids, oxidizers. Hazardous Decomposition Products: Metal oxide fume.

11. Toxicological information

Likely Routes of Exposure: Inhalation, skin, eyes. Product as shipped does not present an inhalation hazard; however subsequent operations may create dusts or fumes which could be inhaled.

Symptoms of Exposure: Fines/dusts may irritate skin and eyes.

Acute and Chronic Effects:

Copper: Copper is a trace element that is essential for human health. Chronic exposure to copper dust can irritate the respiratory tract, nose, mouth and eyes, and cause headaches, dizziness, nausea and diarrhea. Ingestion of excessive amounts of copper may cause gastrointestinal distress. Chronic ingestion may damage the liver and ater kidneys.

Tungsten: No data

Acute Toxicity: No data

Carcinogenicity: No components of this alloy have been identified by NTP or IARC as carcinogenic.

To the best of our knowledge the chemical, physical and toxicological characteristics of the substance are not fully known.

12. Ecological information

Ecotoxicity: No data Persistence and Degradability: No data Bioaccumulative Potential: No data Mobility in Soil: No data **Other Adverse Effects**: No further relevant information available.

13. Disposal considerations

Waste Disposal Method:

Product: Dispose of in accordance with Federal, State and Local regulations. Packaging: Dispose of in accordance with Federal, State and Local regulations.

14. Transport information

Shipping Regulations: Not re	egulated
UN Number:	N/A
UN Proper Shipping Name:	N/A
Transport Hazard Class:	N/A
Packing Group:	N/A

15. Regulatory information

TSCA Listed: All components are listed.

Regulation (EC) No 1272/2008 (CLP): N/A

Canada WHMIS Classification (CPR, SOR/88-66): N/A

HMIS Ratings: Health: 0 Flammability: 0 Reactivity: 0

NFPA Ratings: Health: 0 Flammability: 0 Reactivity: 0

Chemical Safety Assessment: A chemical safety assessment has not been carried out.

16. Other information

The information contained in this document is based on the state of our knowledge at the time of publication and is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. Eagle Alloys Corporation makes no representation, warranty, or guarantee of any kind with respect to the information contained in this document or any use of the product based on this information. Eagle Alloys Corporation shall not be held liable for any damages resulting from handling or from contact with the above product. Users should satisfy themselves that they have all current data relevant to their particular use.

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24 HOUR EMERGENCY ASSISTANCE: CHEMTREC 800-424-9300

IEMTREC SUL Matchials Inc.