

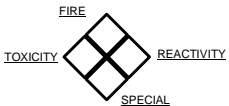
MATERIAL SAFETY DATA SHEET

ISSUED DATE 11-15-85 REVISED DATE 9-30-09

I. IDENTIFICATION

MANUFACTURER'S NAME	Mi-Tech Metals, Inc.	EMERGENCY TELEPHONE NO.	(317) 549-4290
ADDRESS	4701 Massachusetts Avenue - Indianapolis, IN 46218		
CHEMICAL NAME AND SYNONYMS	Tungsten, Copper	TRADE NAME AND SYNONYMS	CW68
C.A.S. NO.	NIF	T.S.C.A. NO.	NIF
		FORMULA	W-Cu
DEPARTMENT OF TRANSPORTATION	HAZARD CLASSIFICATION	NIF	U.N. NO.
	SHIPPING NAME	CW68 Copper Tungsten	

II. INGREDIENTS

MATERIAL	%	TLV (Units)	C.A.S. NO.	NFPA RATING  4 = EXTREME 3 = HIGH 2 = MODERATE 1 = SLIGHT 0 = INSIGNIFICANT
Tungsten	68	5 MG/M ³	7740-33-7	
Copper	32	1.0 MG/M ³	7440-50-8	

REPORT ALL INGREDIENTS ≥3%; IF HAZARDOUS, REPORT ≥1%; SPECIAL HAZARDOUS SUBSTANCE ≥0.01%

III. PHYSICAL DATA

BOILING POINT, 760mm Hg 101.325 kPa	W - 5660°C Cu - 2567°C	FREEZING POINT	N/A
SPECIFIC GRAVITY (H ₂ O=1)	13.93 g/cc	VAPOR PRESSURE AT 20°C	N/A
VAPOR DENSITY (AIR=1)	N/A	SOLUBILITY IN WATER, % BY WT.	N/A
APPEARANCE AND ODOR	Copper Colored - no odor		

IV. FIRE AND EXPLOSION HAZARD DATA

FLASH POINT (Method Used)	NIF	FLAMMABLE LIMITS LEL	NIF	UEL	NIF
EXTINGUISHING MEDIA	NIF (No information found)				
SPECIAL FIRE FIGHTING PROCEDURES	NIF				
UNUSUAL FIRE AND EXPLOSION HAZARDS	Will oxidize at or about 1300°F.				

V. REACTIVITY DATA

STABILITY		CONDITIONS TO AVOID	Nitric Acid will cause oxidation of the Copper and form Nitrogen Oxide. Avoid other strong acids.
UNSTABLE	STABLE		
	X		
INCOMPATIBILITY (Materials to Avoid)			

HAZARDOUS DECOMPOSITION PRODUCTS	
-------------------------------------	--

VI. HEALTH HAZARD DATA

THRESHOLD LIMIT VALUE	OSHA	Tungsten Copper	5 MG/M ³ 1 MG/M ³	ACGIH	Tungsten Copper	5 MG/M ³ 1 MG/M ³
ROUTES OF EXPOSURE (Check Those Which Apply)	EYE CONTACT	No	INHALATION	No	SKIN ABSORPTION	No
	SKIN CONTACT	No	INGESTION	No		
SIGNS AND SYMPTOMS OF OVEREXPOSURE	NIF					
EFFECTS OF OVEREXPOSURE						
ACCUTE	NIF					
CHRONIC	NIF (No information found)					
HAS IOSHA FOUND THIS MATERIAL TO BE A POTENTIAL CARCINOGEN?	YES		NO	X		
EMERGENCY FIRST AID PROCEDURES						

VII. SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IF MATERIAL IS RELATED OR SPILLED	
WASTE DISPOSAL METHOD	Re-cycle all scrap and machine turnings.
	DISPOSER MUCH COMPLY WITH FEDERAL, STATE AND LOCAL DISPOSAL OR DISCHARGE LAWS.

VIII. SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION (Specify Type)	Use NIOSHA/MSHA approved type respirator for dusting conditions			
VENTILATION	LOCAL EXHAUST	Recommended	SPECIAL	NIF
	MECHANICAL (General)	NIF	OTHER	NIF
PROTECTIVE GLOVES	None		EYE PROTECTION	Use safety eyewear
OTHER PROTECTIVE EQUIPMENT	None			

IX. SPECIAL PRECAUTIONS

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING	Store in cool, dry, well ventilated area. Separate from acids and alkalis.
OTHER PRECAUTIONS	

DISCLAIMER OF LIABILITY

As the conditions or methods of use are beyond our control, we do not assume any responsibility and expressly disclaim any liability for any use of the material. Information contained herein is believed to be true and accurate but all statements or suggestions are made without any warranty, express or implied, regarding accuracy of the information, the hazards connected with the use of the material or the results to be obtained from the use thereof.

Form # 137

Rev. B
03/01/06
Page 2 of 2