MATERIAL SAFETY DATA SHEET

	S	ECTION 1				
SATURN INDUSTRIES UNION TURNPIKE PO HUDSON, NY 12534		PHONE: 1-800-775-1651 / (518) 828-9956 FAX: 1-800-840-3336 / (518) 828-9956				
CHEMICAL NAME AT Tungsten-Copper (WCu)		TRADENAME AND SYNONYMS Sparkaloy CuW				
CHEMCIAL FAMILY: Binary Metallurgical Cor	1 -	FORMULA: Grade 50-235				
S	ECTION II – HAZ	ZARDOUS	INGREDIE	NTS		
MATERIAL	%		TLV (Units)		C.A.S. NO.	
Tungsten	70		5mg/m ³		7440-33-7	
Copper	30	<u>l</u> 1m	1mg/m ³		7440-50-8	
	SECTION III	I – PHYSI	CAL DATA			
Melting Point (⁰ C) Tungs Copp	1 (3380 ⁰ Specific Gra 1085 ⁰		wity $H_20 = 1$	14.25	
Vapor Pressure (mm Hg.)			Percent vola volume (%)	tile by	N/A	
Vapor Density (AIR-1)	N/A		Evaporation Rate ()		N/A	
Soluble in Water	N/A					
Appearance and Odor		Copper colored				
	<u> DN IV – FIRE AN</u>					
Flash Point (method u	,		able Limits	Lel N/A	Uel	
	N/A	<u>. </u>			N/A	
Extinguishing Media Type (C or type ABC Ext	inguisher				
Special Fire Fighting Pro						
I I a	e a self contained b	reathing an	naratue with a	full face mas	·k	

SECTION V - HEALTH HAZARD DATA Threshold Limit Value Effects of Overexposure: Copper and/or Silver: Inhalation -cough, chills, general malaise, kidney disfunction. Ingestion liver disfunction. Eyes and skin – irritant and / or discoloring. Health Hazards: Chronic lung, liver or kidney damage. **Tungsten:** Low toxicity – nuisance dust. Inhalation – cough, Ingestion – none reported. Skin – none reported. Emergency Aid First Aid Procedures: Remover victim to fresh air. Flush skin and eyes with water. For inhalation ingestion seek immediate medical assistance. SECTION VI-REACTIVITIY DATA STABILTIY Unstable Conditions to avoid Stable INCOMPATABILITY (Materials to avoid) HAZARDOUS DECOMPOSTION PRODUCTS Melting may generate harmful fumes. **HAZARDOUS** May occur Conditions to avoid POLYMERZATION Will not occur X SECTION VII – SPILL OR LEAK PROCEDURES Steps to be taken in case material is released or spilled: Scoop up large quantities. Remove the remaining material with a broom and shovel using a sweeping compound. Avoid creating dust. Waste Disposal Method Tungsten-Copper, Tungsten-Silver, Tungsten Carbide-Copper and Tungsten Carbide-Silver can be recycled. SECTION VIII-SPECIAL PROTECTION INFORMATION Respiratory Protection (Specifiv type) NIOSH approved cartridge respirator. Ventilation Local exhaust recommended Special when producing fumes or dust Mechanical (general) Other Eye Protection: Glasses or goggles should be Protective Gloves recommended to prevent cuts and slivers from sharp edges. used with fume or dust conditions. OTHER PROTECTIVE EQUIPMENT **SECTION IX - SPECAL PRECAUTIONS** Precautions to be taken in handling and storing Store in cool dry place. Avoid generating fumes or dust. OTHER PRECAUTIONS