

MATERIAL SAFETY DATA SHEET

ISSUED DATE 4-1-93 REVISED DATE 6-15-12

CUSTOMER CODE

NO.

I. IDENTIFICATION			
MANUFACTURER'S NAME Sherbrooke Metals Corporation		EMERGENCY TELEPHONE NO. (440) 942-3520 1-800-922-7437	
ADDRESS 36490 Reading Avenue, Willoughby, Ohio 44094			
CHEMICAL NAME AND SYNONYMS Tungsten, Silver	TRADE NAMES AND SYNONYMS S50WS, S35WS, S20WS		
C.A.S. NO. NIF	T.S.C.A. NO. NIF	CHEMICAL FAMILY Elemental Metal Composite	
DEPARTMENT OF TRANSPORTATION	HAZARD CLASSIFICATION NIF	U.N. NO. NIF	
SHIPPING NAME Tungsten, Silver			

II. INGREDIENTS					
GRADE	INGREDIENT	%	TLV/TWA	PEC/TWA	C.A.S. NO.
S50WS	Tungsten Silver	50	5 mg/m ³	0.01 mg/m ³	7440-33-7
		50	0.01 mg/m ³		7440-22-4
S35WS	Tungsten Silver	65	5 mg/m ³	0.01 mg/m ³	7440-33-7
		35	0.01 mg/m ³		7440-22-4
S20WS	Tungsten Silver	78	5 mg/m ³	0.01 mg/m ³	7440-33-7
		22	0.01 mg/m ³		7440-22-4

NOTE: Silver is subject to the reporting requirements of Section 313 or SARA Title III.

III. PHYSICAL DATA				
MELTING POINT (°C.)	Tungsten Silver	3380° 962°		
VAPOR PRESSURE (mm Hg.)		N/A	PERCENT, VOLATILE BY VOLUME (%)	N/A
VAPOR DENSITY (AIR-1)		N/A	EVAPORATION RATE (_____)	N/A
SOLUBLE IN WATER		N/A	SPECIFIC GRAVITY H ₂ O = 1	S50WS = 13.48
APPEARANCE AND ORDOR	Silver Colored			S35WS = 14.77 S20WS = 15.56

IV. FIRE AND EXPLOSION HAZARD DATA			
FLASH POINT (METHOD USED) N/A	FLAMABLE LIMITS	LeI N/A	UeI N/A
EXTINGUISHING MEDIA Type C or type ABC Extinguisher			
SPECIAL FIRE FIGHTING PROCEDURES Use a self contained breathing apparatus with a full face mask in a pressure demand or positive pressure mode.			
UNUSUAL FIRE AND EXPLOSION HAZARDS N/A			

V. HEALTH HAZARD INFORMATION

EFFECTS OF OVEREXPOSURE:

Silver: Inhalation - argyria, a blue-gray discoloration of the skin, mucous membrane and eyes may result.
Ingestion - generalized argyria may result. Skin - localized argyria from silver particles embedded during handling.
Eyes - severe irritation or conjunctivitis may occur. Health hazards: discoloration may become permanent.

Tungsten: Low toxicity - nuisance dust. Inhalation - cough.
Ingestion - none reported. Skin - none reported. Health hazards - acute bronchitis.

CARCINOGENICITY:

	NTP	IARC	OSHA
W	No	No	No
Ag	No	No	No

EMERGENCY AND FIRST AID PROCEDURES:

Remove victim to fresh air. Flush skin and eyes with water. For inhalation or ingestion, seek immediate medical assistance.

VI. REACTIVITY DATA

STABILITY: Stable **HAZARDOUS POLYMERIZATION:** Will not occur

INCOMPATIBILITY:

HAZARDOUS DECOMPOSITION PRODUCTS: Melting may generate harmful conditions to avoid.

CONDITIONS TO AVOID:

VII. SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:

Scoop up large quantities. Use sweeping compound to remove the rest. Avoid creating airborne particles.

WASTE DISPOSAL METHOD: Tungsten - Silver can be recycled

VIII. SPECIAL PROTECTIVE INFORMATION

RESPIRATORY PROTECTION: NIOSH approved cartridge respirator.

VENTILATION: Ventilate operations when producing dust or fumes.

PROTECTIVE GLOVES: Recommend hand protection when handling metals for prevention of cuts.

EYE PROTECTION: Safety glasses or goggles should be used.

IX. SPECIAL PRECAUTIONS

STORING AND HANDLING: Store in a dry cool place.

OTHER PRECAUTIONS: Avoid generating dust or fumes.

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