

LPS # 63637

**stern-leach**49 Pearl Street  
Attleboro, MA 02703  
(508) 222-7400

440180 / 505-216

440183 / 505-218

440186 / 505-220

440192 / 505-224

440189 / 505-222

MSDS #4-L-9

**MATERIAL SAFETY DATA SHEET**

Revised Dec 2001

**1. PRODUCT IDENTIFICATION**

PRODUCT NAME: Silver Alloy Wire

OTHER DESIGNATIONS: B6001 - Sterling Silver Wire (#402 Alloy)  
 B6003 - Silver Wire  
 B6025 - Coin Silver Wire (#401 Alloy)  
 B6028 - .8000 Silver Wire  
 B6088 - .9800 Silver Wire (#498 Alloy)  
 B6090 - .9300 Silver Wire (#420 Alloy)  
 B6093 - .9350 Silver Wire (#404 Alloy)  
 B6095 - .9500 Silver Wire (#425 Alloy)  
 BW610 - Sterling Silver Binding Wire  
 BX607 - Sterling Silver Wire  
 C6001 - Sterling Silver Fancy Wire (#402)  
 C6025 - Coin Silver Fancy Wire (#401)  
 C6028 - .8000 Silver Alloy Fancy Wire  
 C6090 - .9300 Silver Fancy Wire (#420)  
 C6093 - .9350 Silver Fancy Wire (#404)  
 C6095 - .9500 Silver Fancy Wire (#425)  
 CT601 - Sterling Silver Multi-Strand Twisted into Patt 4045

**2. INGREDIENTS AND HAZARDS**

INGREDIENTS	%	CAS #	PEL #	TLV #
(a) Silver	80.00 - 95.00	7440-22-4	.01 mg/m <sup>3</sup>	0.1 mg/m <sup>3</sup>
(b) Copper	5.00 - 20.00	7440-50-8	0.1 mg/m <sup>3</sup>	0.2 mg/m <sup>3</sup>

**3. PHYSICAL DATA**

Appearance & Color: Products are solid metals and are supplied in various shapes. Color varies from yellowish to white.

**4. FIRE AND EXPLOSION HAZARD DATA**

Flash Point (Method Used): Solid metal is non-flammable.  
Extinguishing Media: Dry chemical, CO<sub>2</sub>, dry sand may be used.  
Special Fire Fighting Procedure: Use self-contained breathing equipment.  
Unusual Fire and Explosion Hazard: Not normally flammable. Fine powder or dust may ignite at high temperatures.

**5. REACTIVITY DATA**

Stable: Yes  
Conditions to Avoid: Overheating during brazing, soldering, and melting.  
Hazardous Polymerization: Will NOT occur.

**6. HEALTH HAZARD DATA**

Inhalation: May cause Argyria, a blue-gray discoloration of the skin, mucous membranes, and eyes. Also may cause irritation of the respiratory tract or metal fume fever with symptoms of fever, chills, nausea, chest tightness, or metallic taste. Remove from exposure, seek medical attention.  
Ingestion: May cause generalized Argyria and may be mildly irritating to the lining of the stomach and intestines. Seek medical attention.  
Skin: Localized Argyria may result. Remove contaminated clothing. Wash skin with soap and water.  
Eyes: Irritation may result. Rinse thoroughly with clean water. Seek medical attention if symptoms develop.

**7. PRECAUTIONS FOR SAFE HANDLING AND USE**

Steps in Case of Spill or Leak: Notify safety personnel of spills. Clean-up personnel need protection against inhalation of dust or fumes. Pick up material using vacuum. Keep dust at a minimum.

Disposal: **MAY HAVE RECLAIM VALUE!** Dispose of any unsalvageable material in accordance with federal, state, and local regulations.

**8. CONTROL MEASURES**

Ventilation & Respiratory Protection: Provide efficient local exhaust ventilation necessary to meet T.L.V. requirements in the workplace. Approved respirator protection is required when heating, grinding, and for special operations where dust and/or fume exposure may occur.

Other Protective Equipment: Gloves and/or protective clothing is required to prevent excessive dust contact with skin and/or for protection from cuts, abrasions, etc. when performing mechanical operations or handling sharp pieces of metal. Face and/or eye protection is recommended where the possibility of getting dust or particles in the eyes exists.

Work/Hygienic Practices: Avoid inhalation or ingestion. Practice good housekeeping. Avoid eating and smoking in the work area. Wash thoroughly before eating and smoking.

**9. SUPPLIER NOTIFICATION**

This product contains one or more chemicals which are listed in the EPA's, SARA, Title III, Section 313, Subpart D of 40 CFR 372, entitled Emergency Planning and Community Right-to-Know Act (EPCRA). The maximum concentrations (wt. %) of the toxic chemicals contained in this product are identified in Section 2 of this MSDS.

This information and data are taken from sources believed to be reliable and correct but cannot be warranted by manufacturer. User is responsible to determine suitability of material for a specific application.

5/01  
Revision 4  
Supersedes 1/28/92  
RC/sco