

S4821A,B,C,D

ARCOR ELECTRONIC CO. INC

5689 W. HOWARD NILES, IL 60714

TEL: 847-588-0088

FAX: 847 588-0080

E-MAIL: sales @arcorelectronics.com WEB SITE: www.a

Attn: Mike

4124905622

Material Safety Data Sheet

Section 1: General Information					
DATE OF PREPARATION: January 1, 2008 MSDS NUMBER: 101			HMIS HAZARD RATING: 0=Insignificant		
PRODUCT NAME: BARE COPPER WIRE SINGLE & MULTIPLE STRAND CONSTRUCTION			Health 1	1=Slight	
			Flammability 0	2=Moderate	
			Reactivity 0	3=High	
				4=Extreme	
Section 2: Hazardous Ingredients					
Components - Chemical & Common Names Hazardous >1% Carcinogens > 0.1%	CAS Number	%	OSHA PEL	ACGIH TLV	OTHER LIMITS RECOMMENDED
Copper - Fume - Dust	7440-50-8	100	0.1mg/m3 1.0mg/m3	0.2mg/m3 1.0mg/m3	2.0mg/m3
Non-Hazardous Components TOTAL		100			
Section 3: Physical Properties					
BOILING POINT:	2595C		SPECIFIC GRAVITY:	8.92	
VAPOR PRESSURE:	1mm Hg @ 877 C		MELTING POINT:	1083 C	
VAPOR DENSITY:	N/A		EVAPORATION RATE:	N/A	
SOLUBILITY IN WATER:	Insoluble		APPEARANCE AND ODOR:	Metal with reddish color and no odor	
WATER REACTIVE:	Un-reactive				
Section 4: Fire & Explosion Hazard Data					
FLASH POINT:	N/A		AUTO IGNITION TEMPERATURE	N/A	
LOWER EXPLOSIVE LIMIT	N/A		UPPER EXPLOSIVE LIMIT:	N/A	
EXTINGUISHER MEDIA:	Powdered Dolomite, Sodium Chloride, or Graphite.				
SPECIAL FIRE FIGHTING PROCEDURES:	Fine copper powder is a moderate fire hazard. For copper fires do not use water.				
UNUSUAL FIRE AND EXPLOSIVE HAZARDS:	Copper reacts violently with C2H2, NH4NO3, Bromates, Chlorates, Iodates, C12,C1F2, Ethylene Oxide, F2,H2O2, Hydrazine mononitrate, Hydrazoic acid,H2S, K2O2, NaN3,Na2O2,CUNO3,S.				

ARCOR ELECTRONIC CO. INC

5689 W. HOWARD NILES, IL 60714

TEL: 847-588-0088

FAX: 847 588-0080

E-MAIL: sales @arcorelectronics.com WEB SITE: www.arcorelectronics.com

Material Safety Data Sheet, continued

Section 5: Reactivity Hazard Data	
STABILITY:	Stable
INCOMPATIBLE MATERIALS:	1-Bromo 2-Propyne (See Section 4)
HAZARDOUS DECOMPOSITION PRODUCTS:	Toxic metal fumes
HAZARDOUS POLYMERIZATION:	Will not occur
CONDITIONS TO AVOID:	N/A
Section 6: Health Hazard Data	
PRIMARY ROUTES OF ENTRY:	
Skin	<input type="checkbox"/> Inhalation
	Ingestion
	Not Hazardous
CARCINOGEN LISTED IN:	
NTP	IARC Monograph
	OSHA
	<input checked="" type="checkbox"/> Not Listed
HEALTH HAZARDS:	
Acute:	Metal fume fever
Chronic:	No long term effect reported
Symptoms of Exposure:	Chills, fever, aching muscles, dry mouth & throat headache, nausea, vomiting and diarrhea
Medical Conditions Aggravated by Exposure:	Wilson's disease
EMERGENCY FIRST AID PROCEDURES:	Seek medical attention for further treatment
Eye Contact:	Remove metal fragments & flush eyes with fresh water
Skin Contact:	Remove contaminated clothing. Flush skin with copious amounts of water.
Inhalation:	Remove to fresh air. If breathing has stopped administer CPR
Ingestion:	May be moderately irritating to stomach lining. Induce vomiting if conscious
Section 7: Control and Protective Measures	
RESPIRATORY PROTECTION:	NIOSH/MSHA approved respirator when toxic dust and/or fumes are present
PROTECTIVE GLOVES:	None required
EYE PROTECTION:	Safety glasses required when working with metal products
VENTILATION TO BE USED:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Type used:	Local ventilation
OTHER PROTECTIVE EQUIPMENT:	None required
Hygienic work practices:	Practice good housekeeping and personal hygiene procedures
Section 8: Precautions for Safe Handling and Disposal	
Clean up of spilled materials:	Clean up using method which minimizes copper dust generation
Waste Disposal Methods:	Recycle scrap material in accordance with all local, state & federal regulations
Handling and Storage Precautions:	Avoid storage near incompatible material (see sec. 5). Also avoid conditions which will cause the generation of copper dust.
Other Precautions or Special Hazards:	Wash exposed skin after handling.