

MATERIAL SAFETY DATA SHEET

ISSUED: 07/16/90

SERVICE WIRE COMPANY, INC.
300 Davis Road
Culloden, WV 25510
(304) 743-8600

A. IDENTIFICATION AND EMERGENCY INFORMATION

PRODUCT NAME: Aluminum Rod, Aluminum Wire

SIC CODE: 3357 (Drawing and Insulating Wire)
3496 (Misc. Fabricated Wire Products)

CHEMICAL NAME: Aluminum

Service Wire Company, Inc. is a manufacturer of Aluminum electrical wire that is not sold for reprocessing or manufacturing. These electrical wire products, which have an end-use function and do not release or otherwise result in exposure to a hazardous chemical under normal conditions of use, are exempt from OSHA Standard titled, "Hazard Communications" (29CF1010.1200).

Rod is not produced by Service Wire Company and the information herein has been provided by Producer/Supplier of Rod for Service Wire Company.

LABEL CODES:

HEALTH: 1 - Slight health hazard
FIRE: 0 - Nonflammable
REACTIVITY: 0 - Non-reactive

B. COMPONENTS AND HAZARD INFORMATION:

COMPONENTS: *Aluminum 97-99.99%
CSA #: 7429-90-5
TLV (ACGIH): 5.0 MG/M3 (Dust)
PEL (OSHA): Same

Comments: *This chemical is subject to the reporting requirements of Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986.

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C. PHYSICAL PROPERTIES:

APPEARANCE/ODOR: Solid, no odor, silver colored

SPECIFIC GRAVITY: 2.70

VAPOR DENSITY (AIR=1): N/A

BOILING POINT: 4442

MELTING POINT:

VAPOR-PRESSURE: N/A

SOLUBILITY IN WATER: Insoluble

EVAPORATION RATE: N/A

PH: N/A

% VOLATILES BY VOLUME: 0

D. HEALTH HAZARD SUMMARY:

PRIMARY ROUTE OF EXPOSURE:

ORAL: Not likely

SKIN: Not likely

EYE: Not likely

INHALATION: Dust or Fume

EFFECTS OF OVEREXPOSURE:

Inhalation of fume may cause metal fume fever with symptoms of fever, chills and chest tightness. Inhalation of dust may irritate the respiratory tract. Mechanical irritation of the skin and eyes may occur. Ingestion may irritate the stomach and intestines.

LISTED AS A CARCINOGEN OR POTENTIAL CARCINOGEN:

NTP: No

IARC: No

OSHA: No

E. FIRST AID PROCEDURES:

EYE: Flush with water

SKIN: Flush with water

INHALATION: Remove from exposure and call a physician

INGESTION: Call a physician

NOTES TO PHYSICIAN: None

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F. FIRE AND EXPLOSION HAZARD DATA:

FLASH POINT: N/A

FLAMMABLE LIMITS: N/A

AUTOIGNITION TEMP: N/A

LEL: N/A

UEL: N/A

40-50 mg/m³ finely divided dust can explode in air when exposed to heat or by chemical reaction.

EXTINGUISHING MEDIA: N/A

SPECIAL FIREFIGHTING PROCEDURES: None

UNUSUAL FIRE AND EXPLOSION HAZARDS: None

G. REACTIVITY DATA:

STABILITY: Stable

CONDITIONS TO AVOID: None

INCOMPATIBILITY (MATERIALS TO AVOID): Strong oxidizers, i.e. Chlorates, Bromates, Peroxides, Nitrates, Nitrites, and Halogens

HAZARDOUS DECOMPOSITION PRODUCTS: None

HAZARDOUS POLYMERIZATION: Will not occur

H. SPECIAL PROTECTION INFORMATION:

VENTILATION: Adequate general ventilation is required. Local exhaust ventilation is recommended if dust or fume exceeds applicable exposure limits.

RESPIRATORY PROTECTION: Respirators are not required. If dust/fume exceeds exposure limits, use NIOSH/MSHA approved respirators.

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PROTECTIVE GLOVES: Gloves are not required.

EYE PROTECTION: Eye protection is not required. Safety glasses recommended if dust particles are generated.

OTHER CLOTHING AND/OR EQUIPMENT: Not recommended.

I. ENVIRONMENTAL INFORMATION:

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

Not an EPA hazardous substance under 40 DFR 116-117

WASTE DISPOSAL METHOD: Material should be recycled.

TSCA STATUS: All components appear on the TSCA Chemical Substance Inventory.

J. SPECIAL PRECAUTIONS

STORAGE AND HANDLING REQUIREMENTS: Do not store with strong oxidizers. Care in handling to avoid mechanical injury.

N.D. = NOT DETERMINED

N/A = NOT APPLICABLE

While information in this fact sheet has been compiled from reference materials and other sources believed to be reliable, its accuracy and completeness is not guaranteed, nor is any responsibility assumed or implied for any loss of damage resulting from inaccuracies or omissions. Any specific evaluation will involve professional judgment by the user's industrial hygiene personnel.

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SERVICE WIRE COMPANY, INC.

300 Davis Road

Culloden, WV 25510

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A. IDENTIFICATION AND EMERGENCY INFORMATION

PRODUCT NAME: Copper Rod, Copper Cathode, Copper Wire

SIC CODE: 3357 (Drawing and Insulating Wire)

3496 (Misc. Fabricated Wire Products)

CHEMICAL NAME: Copper

Service Wire Company, Inc. is a manufacturer of copper electrical wire that is not sold for reprocessing and manufacturing. These electrical wire products, which have an end use function and do not release or otherwise result on exposure to a hazardous chemical under normal conditions of use, are exempt from OSHA Standard titled, "Hazard Communications" (29CF1010.1200).

Rod or Cathode is not produced by Service Wire Company and the information herein has been provided by Producer/Supplier of Rod and Cathode for Service Wire Company.

LABEL CODES:

HEALTH: 1 - Slight health hazard

FIRE: 0 - Nonflammable

REACTIVITY: 0 - Non-reactive

B. COMPONENTS AND HAZARD INFORMATION:

COMPONENTS:	*Copper	97-99.99%
CSA #:	7440-50-8	
TLV (ACGIH):	1.0 MG/M3 (Dust)	0.2 MG/M3 (Fume)
PEL (OSHA):	Same	0.1 MG/M3

Comments: *This chemical is subject to the reporting requirements of Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986.

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C. PHYSICAL PROPERTIES:

APPEARANCE/ODOR: Solid, no odor, reddish colored

SPECIFIC GRAVITY: 8.96

VAPOR DENSITY (AIR=1): N/A

BOILING POINT: 2595

MELTING POINT: 1083

VAPOR-PRESSURE: N/A

SOLUBILITY IN WATER: Insoluble

EVAPORATION RATE: N/A

PH: N/A

% VOLATILES BY VOLUME: 0

D. HEALTH HAZARD SUMMARY:

PRIMARY ROUTE OF EXPOSURE:

ORAL: Not likely

SKIN: Not likely

EYE: Not likely

INHALATION: Dust or Fume

EFFECTS OF OVEREXPOSURE:

Inhalation of fume may cause metal fume fever with symptoms of fever, chills and chest tightness. Inhalation of dust may irritate the respiratory tract. Mechanical irritation of the skin and eyes may occur. Ingestion may irritate the stomach and intestines.

LISTED AS A CARCINOGEN OR POTENTIAL CARCINOGEN:

NTP: No

IARC: No

OSHA: No

TOXICITY STUDY INFORMATION:

- Only selected registry of toxic effects of chemical substances
- (RTECS) data are presented here; consult latest issue for more information
- Wilson's Disease may be affected by copper exposure
- TDLO: 120 UG/KG, human, oral
- Has been reported to cause reproductive effects in experimental animals

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E. FIRST AID PROCEDURES:

EYE: Flush with water

SKIN: Flush with water

INHALATION: Remove from exposure and call a physician

INGESTION: Call a physician

NOTES TO PHYSICIAN: None

F. FIRE AND EXPLOSION HAZARD DATA:

FLASH POINT: N/A

FLAMMABLE LIMITS: N/A

AUTOIGNITION TEMP: N/A

LEL: N/A

UEL: N/A

EXTINGUISHING MEDIA: N/A

SPECIAL FIREFIGHTING PROCEDURES: None

UNUSUAL FIRE AND EXPLOSION HAZARDS: None

G. REACTIVITY DATA:

STABILITY: Stable

CONDITIONS TO AVOID: None

INCOMPATIBILITY (MATERIALS TO AVOID): Contact with hydrogen peroxide may cause a violent reaction. Contact with acetylene may form unstable acetylides.

Burns spontaneously in gaseous chlorine.

HAZARDOUS DECOMPOSITION PRODUCTS: At temperatures well above the melting point, copper oxide fume may be formed.

HAZARDOUS POLYMERIZATION: Will not occur

H. SPECIAL PROTECTION INFORMATION:

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VENTILATION: Adequate general ventilation is required. Local exhaust ventilation is recommended if dust or fume exceeds applicable exposure limits.

RESPIRATORY PROTECTION: Respirators are not required. If dust/fume exceeds exposure limits, use NIOSH/MSHA approved respirators.

PROTECTIVE GLOVES: Gloves are not required.

EYE PROTECTION: Eye protection is not required. Safety glasses recommended if dust particles are generated.

OTHER CLOTHING AND/OR EQUIPMENT: Not recommended.

I. ENVIRONMENTAL INFORMATION:

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:
Not an EPA hazardous substance under 40 DFR 116-117

WASTE DISPOSAL METHOD:

Test according to 40 CFR 261 Subpart C. If hazardous, disposal facility must meet requirements of 40 CFR 264 or 265. If non-hazardous, disposal must satisfy 40 CFR 257. State and local requirements may differ.

TSCA STATUS:

All components appear on the TSCA chemical substance inventory.

J. SPECIAL PRECAUTIONS:

STORAGE AND HANDLING REQUIREMENTS: Do not store near hydrogen peroxide, acetylene or chlorine. No special handling requirements.

N.D. = NOT DETERMINED

N/A = NOT APPLICABLE

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