



## Material Safety Data Sheet

Product No. 20/10, 20/10-1, 20/15, 20/15-1 Aluminum Wire

Issue Date (03-26-02)

Review Date (04-12-12)

### Section 1: Product and Company Identification

**Product Name: Aluminum Wire**

Synonym: ND

**Company Name**

Ted Pella, Inc., P.O. Box 492477, Redding, CA 96049-2477

**Domestic Phone (800) 237-3526 (Mon-Thu. 6:00AM to 4:30PM PST; Fri 6:00AM to 4:00PM PST)**

**International Phone (01) (530) 243-2200 (Mon-Thu. 6:00AM to 4:30PM PST; Fri 6:00AM to 4:00PM PST)**

**Chemtrec Emergency Number 1-800-424-9300 24 hrs a day.**

### Section 2: Composition / Information on Ingredients

Principle Hazardous Component(s) (chemical and common name(s)) (Cas. No)	%	OSHA PEL mg/m <sup>3</sup>	ACGIH TLV mg/m <sup>3</sup>	NTP	IARC	OSHA regulated
Aluminum (7429-90-5)	99.99	15	10	No	No	No

All exposure limits in mg/m<sup>3</sup>, values for airborne powder or dust.

### Section 3: Hazard Identification

#### Emergency overview

Appearance: Metallic solid wire or light silvery-white metal wire.

Immediate effects: As part of good industrial, personal and safety procedures, avoid unnecessary exposure to the chemical substance and insure prompt removal from skin, eyes and clothing.

#### Potential health effects

Primary Routes of entry: Inhalation, ingestion (dust, fumes)

Signs and Symptoms of Overexposure: Aluminum dust/fines and fumes are a low health risk by inhalation. Nuisance dust.

Eyes: No adverse effect expected.

Skin: No adverse effect expected.

Ingestion: Not expected to be a health hazard.

Inhalation: Not expected to be a health hazard.

Chronic Exposure: ND

Chemical Listed As Carcinogen Or Potential Carcinogen: No

See Toxicological Information (Section 11)

#### Potential environmental effects

See Ecological Information (Section 12)

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#### **Section 4: First Aid Measures**

##### **If accidental overexposure is suspected**

Eye(s) Contact: Not expected to require first aid measures.

Skin Contact: Not expected to require first aid measures.

Inhalation: Not expected to require first aid measures.

Ingestion: Not expected to require first aid measures.

##### **Note to physician**

Treatment: ND

Medical Conditions generally Aggravated by Exposure: ND

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#### **Section 5: Fire Fighting Measures**

Flash Point: Not considered to be a fire hazard.

Flammable Limits: NE

Auto-ignition point: 760 °C (1400 °F)

Fire Extinguishing Media: Use Class D extinguishing agents or dry sand on fire. Do not use water or halogenated extinguishing agents.

Special Fire Fighting Procedures: None

Unusual Fire and Explosion Hazards: Dust clouds may be explosive.

Hazardous combustion products: ND

DOT Class: None

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#### **Section 6: Accidental Release Measures**

Steps to be Taken in Case Material is Released or Spilled: No special precautions indicated.

Waste Disposal Methods: Dispose of waste according to Federal, State and Local Regulations.

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#### **Section 7: Handling and Storage**

Precautions to be Taken in Handling and Storage: Store away from incompatible substances.

Storage temperature: NA

Storage Pressure: NA

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#### **Section 8: Exposure Controls / Personal Protection**

##### **Engineering Controls**

Ventilation required: Not expected to be required unless exposure limits are being generated.

##### **Personal Protection Equipment**

Respiratory protection: Not expected to be required unless exposure limits are being generated.

Protective gloves: Not required, but recommended.

Skin protection: Not required, but recommended.

Eye protection: Not required, but recommended.

Additional clothing and/or equipment: None

## Exposure Guidelines

See Composition/Information on Ingredients (Section2)

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### Section 9 Physical and Chemical Properties

Appearance and Physical State: Metallic solid wire or light silvery-white metal wire.

Odor (threshold): None

Density: 2.7

Vapor Pressure (mm Hg): NA

Vapor Density (air=1): NA

Percent Volatile by volume: NA

Evaporation Rate (butyl acetate=1): NA

Boiling Point: NA

Freezing point / melting point: 660 °C (1220 °F)

pH: NA

Solubility in Water: Insoluble.

Atomic Weight: 26.98

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### Section 10: Stability and Reactivity

Stability: Stable

Conditions to Avoid: Incompatibilities.

Materials to Avoid (Incompatibility): Acids, Acid chlorides, bases, halogens, halocarbons, strong oxidizing agents and many other materials.

Hazardous Decomposition Products: Toxic fumes of aluminum oxide, hydrogen when reacted with some acids and caustic (bases) solutions.

Hazardous Polymerization: Will not occur.

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### Section 11: Toxicological Information

Results of component toxicity test performed: ND

Human experience: ND

This product **does not** contain any compounds listed by NTP or IARC or regulated by OSHA as a carcinogen.

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### Section 12: Ecological Information

Ecological Information: NIF

Chemical Fate Information: NIF

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### Section 13 Disposal Considerations

RCRA 40 CFR 261 Classification: None

Federal, State and local laws governing disposal of materials can differ. Ensure proper disposal compliance with proper authorities before disposal.

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### Section 14: Transportation Information

Aluminum Wire:

US DOT Information: Proper shipping name: Not regulated

IATA: Proper shipping name: Not regulated

IMO: Proper shipping name: Not regulated  
Marine Pollutant: No  
Canadian TDG: Not regulated

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### **Section 15: Regulatory Information**

#### **United States Federal Regulations**

MSDS complies with OSHA's Hazard Communication Rule 29, CFR 1910.1200.

SARA: No

SARA Title III: No

RCRA: No

TSCA: Listed

CERCLA: No

#### **State Regulations**

California Proposition 65: None

#### **International Regulations**

Canada WHMIS: Listed

Europe EINECS Numbers: ND

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### **Section 16: Other Information**

Label Information: ND

European Risk and Safety Phrases: ND

European symbols needed: ND

Canadian WHMIS Symbols: ND

NFPA Hazard Rating: Health: **0**; Fire: **0**; Reactivity: **0**

(0=least, 1=Slight, 2=Moderate, 3=High, 4=Extreme)

#### **Abbreviations used in this document**

NE= Not established

NA= Not applicable

NIF= No Information Found

ND= No Data

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### **Disclaimer**

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