

## 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 (09-13-17)**

### 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**

Inside USA and Canada 1-800-237-3526 (Mon-Thu. 6:00AM to 4:30PM PST; Fri 6:00AM to 4:00PM PST)

Outside USA and Canada 1-530-243-2200 (Mon-Thu. 6:00AM to 4:30PM PST; Fri 6:00AM to 4:00PM PST)

**CHEMTREC USA and Canada Emergency Contact Number 1-800-424-9300 24 hours a day**

**CHEMTREC Outside USA and Canada Emergency Contact Number +1-703-741-5970 24 hours 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)

#### **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**

Ted Pella, Inc. makes no warranty of any kind regarding the information furnished herein. Users should independently determine the suitability and completeness of information from all sources. While this data is presented in good faith and believed to be accurate, it should be considered only as a supplement to other information gathered by the user. It is the User's responsibility to assure the proper use and disposal of these materials as well as the safety and health of all personnel who may work with or otherwise come in contact with these materials.

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