

### Safety Data Sheet

**Product No. 16040-30 Fast Drying Silver Paint**

**Issue Date (05-21-13)**

**Review Date (11-21-14)**

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#### Section 1: Product and Company Identification

**Product Name: Fast Drying Silver Paint**

Synonym: Electrodag 1415M, Fast drying silver Suspension

**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.**

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#### Section 2: Hazard Identification

**Emergency overview**

Appearance: Silver colored fluid

Odor: Solvent

GHS Pictograms:



Flammable    Irritant

**Signal Word: DANGER**

**Immediate effects:** The substance is harmful by inhalation and is irritating to eyes and respiratory system. High concentrations will cause narcotic effects. The liquid degrades the skin.

HMIS® Hazard Rating: Health: **2**; Flammability: **3**; Physical: **0**; Personal Protection: See Section 8

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

#### Potential health effects

Primary Routes of entry: Skin contact. The substance may be absorbed into the body by inhalation, ingestion and through the skin. Formation of product mist when applied by spray, which could be inhaled.

Signs and Symptoms of Overexposure: High concentrations will cause narcotic effects.

Eyes: Irritating to eyes

Skin: The liquid degrades the skin. May cause irritation. A component in this product may be absorbed through the skin in harmful amounts. Prolonged cosmetic blue-gray discoloration of the skin and mucous membranes that is irreversible.

Ingestion: Can cause gastrointestinal irritation, nausea, vomiting and diarrhea.

Inhalation: Harmful by inhalation. Irritating to respiratory system

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 3: Composition / Information on Ingredients**

| <b>Principle Hazardous Component(s)<br/>(chemical and common name(s))<br/>(Cas. No)</b> | <b>%</b> | <b>OSHA<br/>PEL<br/>PPM</b>            | <b>ACGIH<br/>TLV<br/>PPM</b> | <b>NTP</b> | <b>IARC</b> | <b>OSHA<br/>regulated</b> |
|-----------------------------------------------------------------------------------------|----------|----------------------------------------|------------------------------|------------|-------------|---------------------------|
| Silver (7440-22-4)                                                                      | 30-60    | 0.01mg/m <sup>3</sup><br>TWA           | 0.1mg/m <sup>3</sup><br>TWA  | No         | No          | No                        |
| Methyl Isobutyl Ketone<br>(108-10-1)                                                    | 30-60    | 100 PPM<br>410mg/m <sup>3</sup><br>TWA | 75 PPM STEL<br>20 PPM TWA    | No         | 2B          | No                        |
| Vinyl resin (Proprietary)                                                               | 5-10     | ND                                     | ND                           | No         | No          | No                        |

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**Section 4: First Aid Measures**

**If accidental overexposure is suspected**

Eye(s) Contact: Rinse immediately with water. If irritation persists seek medical attention.

Skin Contact: Treat with a suitable cleaner and wash afterwards with water and soap. If irritation persists seek medical attention.

Inhalation: Move person to fresh air. If person feels unwell seek medical advice.

Ingestion: Wash mouth out with water. Do not induce vomiting. Seek medical advice.

**Note to physician**

Treatment: Treat symptomatically and supportively.

Medical Conditions generally Aggravated by Exposure: Eye, skin and respiratory disorders.

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**Section 5: Fire Fighting Measures**

Flash Point: 14° C (57.2 °F)

Flammable Limits: Explosive limits in air: Lower: 1.2%, Upper: 8%

Auto-ignition point: 460 °C (860 °F)

Fire Extinguishing Media: Water spray (fog), powder, carbon dioxide or foam.

Unsuitable media: Full water jet.

Special Fire Fighting Procedures: None

Unusual Fire and Explosion Hazards: Do not cut, weld, solder, drill, grind, or expose containers to heat, flame, sparks, or other sources of ignition. Vapors may travel considerable distance to source of ignition and flash back.

Hazardous combustion products: Upon decomposition, this product emits carbon monoxide, carbon dioxide and/or low molecular weight hydrocarbons.

DOT Class: Flammable

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

Steps to be Taken in Case Material is Released or Spilled: Prevent further leakage or spillage if safe to do so. Wear appropriate protective equipment and clothing during clean-up. Do not allow product to enter sewer or waterways. Eliminate ignition sources including sources of electrical, static or frictional sparks. Avoid skin, eye contact and inhalation. No open flame or ignition sources. Absorb in earth or sand, collect in a suitable container and remove to a safe place. Clean area well.

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: Keep away from heat, spark and flame. Avoid contact with eyes, skin and clothing. Avoid breathing vapors or mists of this product. Use only with adequate ventilation. Wash thoroughly after handling. Do not take internally.

Storage temperature: For safe storage, store between 5 °C (41°F) and 30 °C (86°F) Keep container tightly closed and in a cool, well-ventilated place away from incompatible materials. Do not cut or weld on empty drums. Sufficient vapors from residues may be present to cause explosion and serious injury and/or death.

Storage Pressure: ND

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

#### **Engineering Controls**

Ventilation required: Use in fume hood. Provide local and general exhaust ventilation to effectively remove and prevent buildup of any vapors or mists generated from the handling of this product.

#### **Personal Protection Equipment**

Respiratory protection: Fume hood. If ventilation is not sufficient to effectively prevent buildup of aerosols, mists or vapors, appropriate NIOSH/MSHA respiratory protection must be provided.

Protective gloves: Use protective gloves.

Skin protection: Wear suitable protective clothing.

Eye protection: Safety goggles giving full protection to eyes.

Additional clothing and/or equipment: ND

#### **Exposure Guidelines**

See Composition/Information on Ingredients (Section 3)

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### **Section 9 Physical and Chemical Properties**

Appearance and Physical State: Silver colored fluid.

Odor (threshold): Solvent

Specific Gravity (H<sub>2</sub>O=1): 1.63

Vapor Pressure (mm Hg): ND

Vapor Density (air=1): ND  
Percent Volatile by volume: ND  
VOC content: 41.7%

Evaporation Rate (butyl acetate=1): ND  
Boiling Point: 117.5 °C (243.5 °F)  
Freezing point / melting point: -85 °C (-121 °F)  
pH: NA  
Solubility in Water: Insoluble  
Molecular Weight: NA

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### Section 10: Stability and Reactivity

Stability: Stable. Keep lid tight on container.  
Conditions to Avoid: Heat and incompatible materials.  
Materials to Avoid (Incompatibility): Strong oxidants.  
Hazardous Decomposition Products: Upon decomposition, this product emits carbon monoxide, carbon dioxide and/or low molecular weight hydrocarbons.  
Hazardous Polymerization: Will not occur.

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### Section 11: Toxicological Information

Results of component toxicity test performed:

#### **Hazardous components**

Silver  
Methyl isobutyl ketone  
Vinyl resin

#### **Health Effects/Target Organs**

Allergen, Eyes, Irritant, Respiratory, Skin  
Irritant, Central nervous system  
No Records

Human experience: High concentrations will cause narcotic effects. The liquid degrades the skin.

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: Prevent contamination of soil, drains and surface waters. Product contains solvent(s). Very toxic to aquatic organisms.

Chemical Fate Information: ND

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### Section 13 Disposal Considerations

RCRA 40 CFR 261 Classification: D001. If discard, this product is considered a RCRA ignitable waste. This product contains a component (s) Identified as a hazardous under 40CFR 261.24. U161: Methyl Isobutyl Ketone.

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

US DOT Information: Proper shipping name: Paint  
Hazard Class: 3

Packaging group: II  
UN Number: UN1263  
IATA: Proper shipping name: Paint  
Hazard Class: 3  
Packing group: II  
UN Number: UN1263

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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: Section 302 EHS: None above reporting de minimis. Section 313: This product contains the following toxic chemicals subject to the reporting requirements of section 313 of the Emergency Planning and Community Right-To-Know Act of 1986 (40 CFR 372). Silver (CAS# 7440-22-4). Methyl isobutyl ketone (CAS# 108-10-1).  
SARA Title III: Section 311/312: Immediate Health, Fire  
RCRA: D001  
TSCA: 8(b) All components are listed or are exempt from listing on the Toxic Substances Control Act Inventory. 12(b) Export Notification: None above reporting de minimis.  
CERCLA: Reportable Quantities (RQ): Silver (CAS# 7440-22-4) 1,000 lbs. (454 kg)  
Methyl isobutyl ketone (CAS# 108-10-1) 5,000 lbs. (2,270 kg)

### **State Regulations**

California Proposition 65: This product contains a chemical known in the State of California to cause cancer and birth defects or other reproductive harm.

### **International Regulations**

Canada WHMIS: B.2, D.2.B  
CEPA DSL/NDSL Status: All components are listed on or are exempt from listing on the Canadian Domestic Substances List.  
Europe EINECS Numbers: ND

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## **Section 16: Other Information**

Label Information: Flammable  
European Risk and Safety Phrases: 11-20-36/37-66  
European symbols needed: F + Xn  
Canadian WHMIS Symbols: ND

### **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.

MSDS Form 0013F1 V2