



Material Safety Data Sheet

Product No. 16040-30 Fast Drying Silver Paint

Issue Date (07-28-00)

Review Date (04-12-12)

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.

Section 2: Composition / Information on Ingredients

Principle Hazardous Component(s) (chemical and common name(s)) (Cas. No)	%	OSHA PEL PPM	ACGIH TLV PPM	NTP	IARC	OSHA regulated
Silver (7440-22-4)	ND	0.01	0.1	No	No	No
4-Methylpentan-2-one (108-10-1)	25-50	100	50	No	No	No

Section 3: Hazard Identification

Emergency overview

Appearance: Silver colored fluid

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.

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.

Ingestion: ND

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)

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: ND

Medical Conditions generally Aggravated by Exposure: ND

Section 5: Fire Fighting Measures

Flash Point: +14° C

Flammable Limits: Explosive limits in air, Volume %: 1.2 – 8

Auto-ignition point: >400° C

Fire Extinguishing Media: Water mist, powder, carbon dioxide or foam.

Unsuitable media: Full water jet.

Special Fire Fighting Procedures: None

Unusual Fire and Explosion Hazards: ND

Hazardous combustion products: ND

DOT Class: Flammable

Section 6: Accidental Release Measures

Steps to be Taken in Case Material is Released or Spilled: 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.

Section 7: Handling and Storage

Precautions to be Taken in Handling and Storage: Do not breathe vapor and ensure adequate ventilation. Avoid unnecessary contact. Use protective gloves. No open flames, no smoking. Fireproof.

Storage temperature: Keep at temperatures not exceeding 30° C.

Storage Pressure: ND

Section 8: Exposure Controls / Personal Protection

Engineering Controls

Ventilation required: Use in fume hood.

Personal Protection Equipment

Respiratory protection: Fume hood. In case of insufficient ventilation in closed rooms, wear suitable respiratory equipment.

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 (Section2)

Section 9 Physical and Chemical Properties

Appearance and Physical State: Silver colored fluid.

Odor (threshold): Solvent

Specific Gravity (H₂O=1): 1.63

Vapor Pressure (mm Hg): 7 mbar at 20° C

Vapor Density (air=1): ND

Percent Volatile by volume: ND

Evaporation Rate (butyl acetate=1): ND

Boiling Point: 116° C

Freezing point / melting point: NA

pH: NA

Solubility in Water: Insoluble

Molecular Weight: NA

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: No decomposition under normal circumstances.

Hazardous Polymerization: ND

Section 11: Toxicological Information

Results of component toxicity test performed: ND

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.

Section 12: Ecological Information

Ecological Information: Prevent contamination of soil, drains and surface waters. Product contains solvent(s).

Chemical Fate Information:

Section 13 Disposal Considerations

RCRA 40 CFR 261 Classification: NIF

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

Section 14: Transportation Information

US DOT Information: Proper shipping name: Methyl isobutyl ketone solution

Hazard Class: 3

Packaging group: II

UN Number: UN1245

IATA: Proper shipping name: Methyl isobutyl ketone solution

Hazard Class: 3

Packing group: II

UN Number: UN1245

Section 15: Regulatory Information

United States Federal Regulations

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

SARA: ND

SARA Title III: Component listed Methyl isobutyl ketone

RCRA: ND

TSCA: All components are listed

CERCLA: ND

State Regulations

California Proposition 65: None

International Regulations

Canada WHMIS: ND

Europe EINECS Numbers: ND

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

Hazard Rating: Health: **ND**; Fire: **ND**; Reactivity: **ND**

(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

Disclaimer

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