Safety Data Sheet

Product No. 16040-30 Fast Drying Silver Paint
Issue Date (08-18-14)
Review Date (09-25-15)

Section 1: Product and Company Identification
Product Name: Fast Drying Silver Paint
Synonym: Electrodog 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: Hazard Identification
2.1 Classification of the substance or mixture

GHS Pictograms

GHS02  GHS07

GHS Categories
GHS02: Flammable
   Flam. Liq. 2  H225: Highly flammable liquid and vapor.
GHS07: Irritant
   Acute Tox. 4  H332: Harmful if inhaled.
   Eye Irrit. 2  H319: Causes serious eye irritation.
   STOT SE 3  H335: May cause respiratory irritation.

2.2 Label elements

Hazard Pictograms

GHS02  GHS07

Signal Word: DANGER
Skin: The liquid degreases 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. Repeated exposure may cause skin dryness or cracking.

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**

Mixture of substances listed below with nonhazardous additions.

<table>
<thead>
<tr>
<th>Principle Hazardous Component(s) (chemical and common name(s)) (Cas. No)</th>
<th>%</th>
<th>OSHA PEL PPM</th>
<th>ACGIHH TLV PPM</th>
<th>NTP</th>
<th>IARC</th>
<th>OSHA regulated</th>
</tr>
</thead>
<tbody>
<tr>
<td>Silver (7440-22-4)</td>
<td>30-60</td>
<td>0.01mg/m^3 TWA</td>
<td>0.1mg/m^3 TWA</td>
<td>No</td>
<td>No</td>
<td>No</td>
</tr>
<tr>
<td>4-methylpentan-2-one* (108-10-1)</td>
<td>25-50</td>
<td>100 PPM</td>
<td>75 PPM STEL</td>
<td>No</td>
<td>2B</td>
<td>No</td>
</tr>
<tr>
<td>WEL Short-term value: 416 mg/m^2, EINECS: 203-550-1</td>
<td></td>
<td>410mg/m^3 TWA</td>
<td>20 PPM TWA</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Flam. Liq. 2: H225 Acute Tox. 4: H332 Eye Irrit. 2: H319 STOT SE 3: H335</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Vinyl resin (Proprietary)</td>
<td>5-10</td>
<td>ND</td>
<td>ND</td>
<td>No</td>
<td>No</td>
<td>No</td>
</tr>
<tr>
<td>Or *Methyl isobutyl ketone</td>
<td></td>
<td></td>
<td></td>
<td></td>
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<td></td>
</tr>
</tbody>
</table>

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**Section 4: First Aid Measures**

If accidental overexposure is suspected

**Eye(s)** Contact: Rinse immediately with water. Eye bath advisable. 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:** Rinse mouth 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.
Sk, BMGV

<table>
<thead>
<tr>
<th>Ingredients with biological limit values:</th>
</tr>
</thead>
<tbody>
<tr>
<td>108-10-1 Methyl isobutyl ketone</td>
</tr>
<tr>
<td>BMGV</td>
</tr>
<tr>
<td>Medium: urine</td>
</tr>
<tr>
<td>Sampling time: post shift</td>
</tr>
<tr>
<td>Parameter: Methyl isobutyl ketone</td>
</tr>
</tbody>
</table>

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
General protective and hygienic measures: Keep away from foodstuffs, beverages and feed. Remove all soiled and contaminated clothing. Wash hands before breaks and at the end of work. Do not inhale gases/fumes/aerosols.
Respiratory protection: Ventilation via local exhaust. In case of insufficient ventilation in closed rooms, wear suitable respiratory equipment.
Protective gloves: Use protective gloves impermeable/resistant to the substance.
Skin protection: Wear suitable protective clothing.
Eye protection: Safety goggles with side shields.
Additional clothing and/or equipment: ND

Exposure Guidelines
See Composition/Information on Ingredients (Section 3)

Section 9 Physical and Chemical Properties
Appearance and Physical State: Silver colored fluid.
Odor (threshold): Solvent (ND)
Specific Gravity (H₂O=1): 1.63
Vapor Pressure (hPa): 7
Vapor Density (air=1): ND
Percent Volatile by volume: ND
VOC content: 41.7%

Evaporation Rate (butyl acetate=1): ND
Boiling Point: 116 °C (243.5 °F)
Freezing point: -85 °C (-121 °F)
pH: ND
Solubility in Water: Insoluble
Solids content: 57.5-59.0%
Molecular Weight: NA

Section 10: Stability and Reactivity
Stability: Stable.
Conditions to Avoid: Heat and incompatible materials.
Hazard Class: 3
Packing group: II
UN Number: UN1263
IATA: Proper shipping name: 1263 Paint, solution
Hazard Class: 3
Packing group: II
UN Number: UN1263
Marine pollutant: No
Canadian TDG: Proper shipping name: 1263 Paint, solution

Section 15: Regulatory Information
United States Federal Regulations
SARA (Section 302): None above reporting de minimis.
SARA (Section 313): This product contains the following toxic chemicals subject to this section’s reporting requirements:
    Methyl isobutyl ketone (CAS# 108-10-1)
SARA Title III (Section 311/312): Immediate Health, Fire
RCRA: D001
TSCA: All components are listed or exempt from reporting. Export Notification: None above reporting de minimis.
CERCLA: Reportable Quantities (RQ):
    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

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

Disclaimer
Ted Pella, Inc. makes no warranty of any kind regarding the information furnished herein. Users should independently determine the suitability and completeness of