Material Safety Data Sheet

Product No. 895-25, 895-26 Diamond Polishing Extender Fluid
Issue Date (06-04-07)
Review Date (09-19-17)

Section 1: Product and Company Identification
Product Name: Diamond Polishing Extender Fluid
Synonym: Extender lapping Oil
Chemical family: Organic Esters and Lubricants

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

<table>
<thead>
<tr>
<th>Principle Component(s) (chemical and common name(s))</th>
<th>%</th>
<th>OSHA PEL mg/m³</th>
<th>ACGIH TLV mg/m³</th>
<th>NTP</th>
<th>IARC</th>
<th>OSHA regulated</th>
</tr>
</thead>
<tbody>
<tr>
<td>*Blend of Esters and Ethers (None)</td>
<td>ND</td>
<td>NE</td>
<td>NE</td>
<td>No</td>
<td>No</td>
<td>No</td>
</tr>
</tbody>
</table>

* Non-hazardous materials

Section 3: Hazard Identification

Emergency overview
Appearance: Blue clear liquid
Immediate effects: ND

Potential health effects
Primary Routes of entry:
Signs and Symptoms of Overexposure: May cause nausea and diarrhea if swallowed. Causes severe irritation of the eyes. May cause slight skin irritation.
Eyes: Causes severe irritation of the eyes
Skin: May cause slight skin irritation.
Ingestion: May cause nausea and diarrhea if swallowed.
Inhalation: ND
Chronic Exposure: ND
Chemical Listed As Carcinogen Or Potential Carcinogen: None listed
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: Flush with water for 15 minutes. If irritation persists seek medical attention.
Skin Contact: Wash immediately with soap and water.
Inhalation: ND
Ingestion: Give two glasses of water and induce vomiting

Note to physician
Treatment: ND
Medical Conditions generally Aggravated by Exposure: ND

Section 5: Fire Fighting Measures
Flash Point: 240 °F (Method C.O.C)
Flammable Limits: ND
Auto-ignition point: 442 °F (228 °C)
Fire Extinguishing Media: Water spray, carbon dioxide, dry chemical or foam.
Special Fire Fighting Procedures: Use self contained breathing apparatus and protective clothing.
Unusual Fire and Explosion Hazards: None known
Hazardous combustion products: Carbon dioxide and carbon monoxide.
DOT Class: Not regulated

Section 6: Accidental Release Measures
Steps to be Taken in Case Material is Released or Spilled:
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: Avoid contact with skin and eyes. Avoid breathing mist.
Keep out of reach of children.
Storage temperature: Room temperature.
Storage Pressure: NA

Section 8: Exposure Controls / Personal Protection
Engineering Controls
Ventilation required: Good room ventilation.

Personal Protection Equipment
Respiratory protection: None required in normal use (low temperatures)
Protective gloves: Impervious gloves
Skin protection: Protective clothing.
Eye protection: Safety goggles.
Additional clothing and/or equipment: NIF

Exposure Guidelines
See Composition/Information on Ingredients (Section 2)

Section 9 Physical and Chemical Properties
Appearance and Physical State: Blue clear liquid.
Odor (threshold): Ester odor.
Specific Gravity (H₂O=1): 0.9550
Vapor Pressure (mm Hg): 0.01
Vapor Density (air=1): 5.6
Percent Volatile by volume: ND
Evaporation Rate (butyl acetate=1): ND
Boiling Point: 447 °F
Freezing point / melting point: ND
pH: ND
Solubility in Water: Disperses.
Molecular Weight: NA

Section 10: Stability and Reactivity
Stability: Stable
Conditions to Avoid: High heat
Materials to Avoid (Incompatibility): Avoid contamination with alkali at elevated temperatures.
Hazardous Decomposition Products: Oxides of carbon when heated to decomposition.
Hazardous Polymerization: Will not occur.

Section 11: Toxicological Information
Results of component toxicity test performed: None
Human experience: ND
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: ND
Chemical Fate Information: ND

Section 13 Disposal Considerations
RCRA 40 CFR 261 Classification: ND
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: Not regulated.
IATA: Proper shipping name: Not regulated.
IMO: Proper shipping name: Not regulated.
Marine Pollutant: None listed
Canadian TDG: Not regulated.

Section 15: Regulatory Information
United States Federal Regulations
SARA: None
SARA Title III: None
RCRA: No
TSCA: ND
CERCLA: None listed
State Regulations
California Proposition 65: None listed
International Regulations
Canada WHMIS: ND
Europe EINECS Numbers: ND
Section 16: Other Information
Label Information: Avoid contact with skin and eyes.
European Risk and Safety Phrases: ND
European symbols needed: ND
Canadian WHMIS Symbols: ND
Hazard Rating: Health: NE; Fire: NE; Reactivity: NE
(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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