Section 1: Product and Company Identification
Product Name: Diamond Compound, 1/10, ¼, ½, 1, 3, 6, 15, Set, 9, 30, 45 µm
Synonym: Grinding compound
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

<table>
<thead>
<tr>
<th>Principle Hazardous Component(s) (chemical and common name(s)) (Cas. No)</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>Diamond powders (7782-40-3)</td>
<td>ND</td>
<td>15</td>
<td>10</td>
<td>No</td>
<td>No</td>
<td>No</td>
</tr>
<tr>
<td>Proprietary compound</td>
<td>ND</td>
<td>ND</td>
<td>ND</td>
<td>ND</td>
<td>ND</td>
<td>ND</td>
</tr>
</tbody>
</table>

Section 3: Hazard Identification

Emergency overview
Appearance: Paste
Immediate effects: ND

Potential health effects
Primary Routes of entry: ND
Signs and Symptoms of Overexposure: ND
Eyes: May cause irritation.
Skin: May cause irritation.
Ingestion: ND
Inhalation: ND
Chronic Exposure: ND
Chemical Listed As Carcinogen Or Potential Carcinogen: None
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 plenty of water.
Skin Contact: Flush with plenty of water. Wash with warm water and mild soap.
Inhalation: Most likely not to occur, however vapors from polishing may be irritating, remove to fresh air. Seek medical attention if irritation persists.
Ingestion: May be irritating to digestive system, seek medical attention.

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

Section 5: Fire Fighting Measures
Flash Point: 340º F (Cleveland open cup ASTM)
Flammable Limits: D92 lower 0.9 calculated
Auto-ignition point: ND
Fire Extinguishing Media: Use carbon dioxide or dry chemical for small fires
Special Fire Fighting Procedures: Use more water.
Unusual Fire and Explosion Hazards: None
Hazardous combustion products: ND
DOT Class: None

Section 6: Accidental Release Measures
Steps to be Taken in Case Material is Released or Spilled: Collect material for proper disposal.
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: No special requirements.
Storage temperature: Room temperature.
Storage Pressure: NA

Section 8: Exposure Controls / Personal Protection
Engineering Controls
Ventilation required: None need, mechanical acceptable

Personal Protection Equipment
Respiratory protection: None needed
Protective gloves: Plastic or rubber
Skin protection: Gloves
Eye protection: Safety glasses or goggles
Additional clothing and/or equipment: Eye bath and safety shower

Exposure Guidelines
See Composition/Information on Ingredients (Section2)
Section 9 Physical and Chemical Properties
Appearance and Physical State: Paste
Odor (threshold): Nil
Specific Gravity (H₂O=1): 1.1256
Vapor Pressure (mm Hg): -7
Vapor Density (air=1): 0.01 mm Hg @ 20°C
Percent Volatile by volume: ND
Evaporation Rate (butyl acetate=1): ND
Boiling Point: 392°F
Freezing point / melting point: ND
pH: ND
Solubility in Water: Complete
Molecular Weight: NA

Section 10: Stability and Reactivity
Stability: Stable
Conditions to Avoid: ND
Materials to Avoid (Incompatibility): ND
Hazardous Decomposition Products: ND
Hazardous Polymerization: Will not occur.

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.

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: Not regulated
IATA: Not regulated
IMO: Not regulated

Section 15: Regulatory Information
United States Federal Regulations
SARA: ND
SARA Title III: ND
RCRA: ND
TSCA: ND
CERCLA: ND

State Regulations
California Proposition 65: No

International Regulations
Canada WHMIS: ND
Europe EINECS Numbers: ND

Section 16: Other Information
Label Information: ND
European Risk and Safety Phrases: ND
European symbols needed: ND
Canadian WHMIS Symbols: ND
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

Disclaimer
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