Section 1: Product and Company Identification
Product Name: Diamond Paste, Polycrystalline, 0.1, 0.25, 0.5, 1.0, 3.0, 6.0, 9.0, 15.0 µm
Synonym: none
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: Hazard Identification
2.1 Classification of the substance or mixture

GHS Pictograms

⚠️
GHS07

GHS Categories
GHS07 – Irritant
   Skin Irritant 2 H315: Causes mild skin irritation.
   Eye Irritant 2B H320: Causes eye irritation.

2.2 Label elements

Hazard Pictograms

⚠️
GHS07

Signal Word: Warning

Hazard Statements
H315 Causes mild skin irritation.
H320 Causes eye irritation.

Precautionary Statements
P202 Do not handle until all safety precautions have been read and understood.
P264 Wash hands thoroughly after handling.
P280 Wear protective gloves/protective clothing/eye protection/face protection.
P305+P351+P338  IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P337+P313  If eye irritation persists, get medical attention/advice.

P501  Dispose of content and/or container in accordance with local, regional, national, and/or international regulations.

2.3 Other hazards

Health Effects:
NFPA Hazard Rating: Health: ND; Fire: ND; Reactivity: ND
HMIS® Hazard Rating: Health: ND; Fire: ND; Reactivity: ND
(0=least, 1=Sligh, 2=Moderate, 3=High, 4=Extreme)

Results of PBT and vPvB assessment: A chemical safety assessment has not been carried out.
PBT: ND
vPvB: ND

Emergency overview:
Appearance: Opaque liquid of varying colors due to diamond size.
Immediate effects: Eye & skin mechanical irritant.

Potential health effects
Primary Routes of entry: Skin and eye contact.
Signs and Symptoms of Overexposure: ND
Eyes: Mechanical eye irritation. Signs/symptoms may include pain, redness, tearing and corneal abrasion.
Skin: Mechanical skin irritation. Signs/symptoms may include abrasion, redness, pain, and itching.
Ingestion: Not likely under normal conditions of use.
Inhalation: May cause respiratory irritation.
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 3: Composition / Information on Ingredients

<table>
<thead>
<tr>
<th>Principle Hazardous Component(s) (chemical and common name(s))</th>
<th>%</th>
<th>OSHA PEL mg/m³</th>
<th>ACGIH TLV mg/m³</th>
<th>NTP Carcinogen</th>
<th>IARC Carcinogen</th>
<th>OSHA regulated Carcinogen</th>
</tr>
</thead>
<tbody>
<tr>
<td>Proprietary Glycol Blend (NA)</td>
<td>40-60</td>
<td>NA</td>
<td>NA</td>
<td>No</td>
<td>No</td>
<td>No</td>
</tr>
<tr>
<td>Diamond (7782-40-3)</td>
<td>&lt;20³</td>
<td>5 mg/m³³, 15 mg/m³³</td>
<td>3 mg/m³³, 10 mg/m³³</td>
<td>No</td>
<td>No</td>
<td>No</td>
</tr>
<tr>
<td>Naptha (petroleum), Hydrotreated heavy (64742-52-5)</td>
<td>&lt;10</td>
<td>500 ppm</td>
<td>NE</td>
<td>No</td>
<td>No</td>
<td>No</td>
</tr>
<tr>
<td>Triethanolamine (102-71-6)</td>
<td>&lt;10</td>
<td>NE</td>
<td>5 mg/m³</td>
<td>No</td>
<td>No</td>
<td>No</td>
</tr>
</tbody>
</table>

³The specific chemical identity and/or exact percentage (concentration) of this
Section 4: First Aid Measures
If accidental overexposure is suspected
Eye(s) Contact: Immediately flush eyes with plenty of water lifting lower and upper eyelids occasionally, until abrasive material is removed. Get medical attention if irritation persists. After initial flushing, remove any contact lenses if worn.

Skin Contact: Remove contaminated clothing. Immediately wash with soap and water and rinse thoroughly. Seek medical attention if required.

Inhalation: Remove to fresh air. Seek medical attention if required.

Ingestion: No ingestion hazard is expected under normal industrial use. Seek immediate medical attention. Do not induce vomiting.

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

Section 5: Fire Fighting Measures
Flash Point: >242°F
Flammable Limits: ND
Auto-ignition point: ND

Fire Extinguishing Media: Use water spray to cool surfaces exposed to fire to disperse vapors and to protect personnel attempting to stop any leakage. Extinguish the fire with foam, dry chemical or carbon dioxide.

Special Fire Fighting Procedures: Use a self-contained breathing apparatus and full protection gear. Dike and collect water used to fight fire if possible.

Unusual Fire and Explosion Hazards: ND
Hazardous combustion products: Burning may produce smoke, carbon monoxide, carbon dioxide, and unburned hydrocarbons.
DOT Class: Not regulated

Section 6: Accidental Release Measures
Steps to be taken in Case Material is Released or Spilled:

Personal precautions, protective equipment and emergency procedures: Avoid contact with skin and eyes, and formation and accumulation of dust. Use personal protective equipment as specified in Section 8 of this SDS. Sweep or gather up material and place in proper container for disposal or recovery.

Environmental precautions: Avoid release into the environment.

Methods and material for containment and cleaning up:
Containment: If material is spilled or released, cordon off area. Persons not wearing appropriate protective equipment should be excluded from spill area until clean-up has been completed.

Clean-Up: Wear appropriate personal protective equipment as specified in Section 8. Collect spilled material and clean up any residue material by vacuuming or wet sweeping to reduce dust generation and place into an appropriate container suitable for proper disposal in accordance with local, regional, national, and/or international regulations.

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: Wear appropriate protective gloves and safety glasses with side shields or chemical goggles. Avoid contacting or breathing of material. Use only in well-ventilated area and be sure to wash hands thoroughly after handling material. Store in a tightly closed container in a secure and well-ventilated area. Store under dry and cool conditions and away from ignition sources and direct sunlight.

Storage temperature: Cool-to-room temperature.
Section 8: Exposure Controls / Personal Protection

Engineering Controls
Ventilation required: Good general ventilation should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls (wet grinding) to maintain airborne levels below identified exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level.

Personal Protection Equipment
Respiratory protection: If ventilation is not sufficient to control exposures below the applicable exposure limits, an appropriate NIOSH approved air-purifying respirator equipped with organic vapor cartridges with dust/mist pre-filter is recommended. Select and use in accordance with 29 CFR 1910.134 and good industrial hygiene practice.

Protective gloves: Nitrile, neoprene, butyl, polyethylene, or PVC gloves.
Skin protection: Wear appropriate clothing or PPE to prevent repeated or prolonged contact with exposed skin.
Eye protection: Safety glasses with side shields or safety goggles.
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: Opaque liquid of varying colors due to diamond size.
Odor (threshold): Mild odor (ND)
Specific Gravity (H₂O=1): 1
Vapor Pressure (mm Hg): ND
Vapor Density (air=1): NA
Percent Volatile by volume: ND
Evaporation Rate (butyl acetate=1): NA
Boiling Point: ≥ 212°F
Freezing point / melting point: ND
pH: NA
Solubility in Water: Soluble
Molecular Weight: ND

Section 10: Stability and Reactivity
Stability: Stable
Conditions to Avoid: None
Materials to Avoid (Incompatibility): Strong oxidizers
Hazardous Decomposition Products: None
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.
Marine Pollutant: No
Canadian TDG: Not regulated.

Section 15: Regulatory Information
United States Federal Regulations
SARA: None of the ingredients are listed.
SARA Title III: None of the ingredients are listed.
RCRA: None of the ingredients are listed.
TSCA: All components are listed on the TSCA public inventory.
CERCLA: None of the ingredients are listed.

State Regulations
California Proposition 65: None of the ingredients are listed.

International Regulations
Canada WHMIS: ND
Europe EINECS Numbers: ND

Section 16: Other Information
Label Information: See section 2.
European Risk and Safety Phrases: ND
European symbols needed: ND
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 information from all sources. While this data is presented with 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.

SDS Form 0013F1V4