Section 1: Product and Company Identification

Product Name: Clear Nail Polish
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 substance or mixture

GHS Pictograms

GHS02  GHS07

GHS Categories
GHS02 – Flammable
   Flammable liquids 2       H225: Highly flammable liquid and vapor.
GHS07 – Irritant
   Eye irritation 2A         H319: Causes serious eye irritation.
   STOT, SE 3                H336: May cause drowsiness or dizziness.

2.2 Label elements

GHS Pictograms

Signal Word: DANGER

Hazard Statements
H225   Highly flammable liquid and vapor.
H319   Causes serious eye irritation.
H336   May cause drowsiness or dizziness.
H402   Harmful to aquatic life.

Precautionary Statements
P210   Keep away from heat/sparks/open flames/hot surfaces. No smoking.
P233   Keep container tightly closed.
Ground/bond container and receiving equipment.
Use explosion-proof electrical/ventilating/lighting/equipment.
Use only non-sparking tools.
Take precautionary measures against static discharge.
Avoid breathing dust/fume/gas/mist/vapors/spray.
Wash skin thoroughly after handling.
Use only outdoors or in a well-ventilated area.
Avoid release to the environment.
Wear protective gloves/eye protection/face protection.
IF ON SKIN (or hair): Remove immediately all contaminated clothing. Rinse skin with water/shower.
IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTER or doctor/physician if you feel unwell.
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do so. Continue rinsing.
If eye irritation persists: Get medical advice/attention.
Store in well-ventilated place. Keep container tightly closed.
Keep cool.
Store locked up.
Dispose of contents/container to an approved waste disposal plant.

2.3 Other hazards

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

Results of PBT and vPvB assessment:
PBT: ND
vPvB: ND

Emergency overview:
Appearance: Clear liquid

Potential health effects
Primary Routes of entry: Inhalation, skin, eyes, ingestion.
Signs and Symptoms of Overexposure: ND
Eyes: Eye irritation both liquid and vapor.
Skin: Mild skin irritant; can cause non-allergic contact dermatitis.
Ingestion: May cause gastro-intestinal irritation, nausea, vomiting and diarrhea.
Inhalation: Prolonged inhalation may be harmful. May cause drowsiness, headaches, nausea, vomiting and narcosis. May cause lung irritation.
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 3: Composition / Information on Ingredients

<table>
<thead>
<tr>
<th>Principle Hazardous and Non-Hazardous Component(s) (chemical and common name(s)) (Cas. No)</th>
<th>%</th>
<th>OSHA PEL mg/m³</th>
<th>ACGIH TLV</th>
<th>NTP Carcinogen</th>
<th>IARC Carcinogen</th>
<th>OSHA regulated Carcinogen</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ethyl acetate (141-78-6) EC-No. 205-500-4 Index No. 607-022-00-5 H225; H319; H336</td>
<td>15-40</td>
<td>ND</td>
<td>400 ppm/1,400 mg/m³</td>
<td>No</td>
<td>No</td>
<td>No</td>
</tr>
<tr>
<td>Butyl acetate (123-86-4) EC-No. 204-658-1 Index No. 607-025-00-1 H226; H336; H402</td>
<td>15-40</td>
<td>ND</td>
<td>150 ppm/710 mg/m³</td>
<td>No</td>
<td>No</td>
<td>No</td>
</tr>
<tr>
<td>Cellulose Acetate Butyrate (9004-36-8)</td>
<td>ND</td>
<td>ND</td>
<td>ND</td>
<td>No</td>
<td>No</td>
<td>No</td>
</tr>
<tr>
<td>Adipic Acid/Neopentyl Glycol/Trimellitic Anhydride Copolymer (28407-73-0) EC No.: 608-203-1</td>
<td>ND</td>
<td>ND</td>
<td>ND</td>
<td>No</td>
<td>No</td>
<td>No</td>
</tr>
<tr>
<td>Alcohol Denat (64-17-5)</td>
<td>ND</td>
<td>1900mg/m³ 1000 ppm</td>
<td>1900mg/m³ 1000 ppm</td>
<td>No</td>
<td>1</td>
<td>No</td>
</tr>
<tr>
<td>Dipropylene Glycol Dibenoate (27138-31-4) EC No.: 248-258-5</td>
<td>ND</td>
<td>ND</td>
<td>ND</td>
<td>No</td>
<td>No</td>
<td>No</td>
</tr>
<tr>
<td>Nitrocellulose (9004-70-0)</td>
<td>5-15</td>
<td>ND</td>
<td>ND</td>
<td>No</td>
<td>No</td>
<td>No</td>
</tr>
<tr>
<td>Isopropyl alcohol (67-63-0) EC-No: 200-661-7 Index No. 603-117-00-0 H225; H319; H336</td>
<td>1-10</td>
<td>ND</td>
<td>400 ppm/980 mg/m³</td>
<td>No</td>
<td>3</td>
<td>No</td>
</tr>
<tr>
<td>Violet 2/ CI 60725 (81-48-1) EC No.: 216-901-9</td>
<td>ND</td>
<td>ND</td>
<td>ND</td>
<td>No</td>
<td>No</td>
<td>No</td>
</tr>
</tbody>
</table>

All ingredients listed are approved for Cosmetic Use for Nail Polish

### Section 4: First Aid Measures

**If accidental overexposure is suspected**

<table>
<thead>
<tr>
<th>Eye(s) Contact</th>
<th>Flush eyes with plenty of water. If irritation persists, get medical attention.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Skin Contact</td>
<td>Thoroughly wash the exposed area if irritation occurs. If irritation persists, get medical assistance.</td>
</tr>
<tr>
<td>Inhalation</td>
<td>Immediately remove victim to fresh air. If respiratory problems arise, get medical attention.</td>
</tr>
<tr>
<td>Ingestion</td>
<td>Do not induce vomiting. Drink 3-4 glasses of water. Get prompt medical attention.</td>
</tr>
</tbody>
</table>
Note to physician
Treatment: ND
Medical Conditions generally Aggravated by Exposure: NE

Section 5: Fire Fighting Measures
Flash Point: < 21 °C
Flammable Limits: ND
Auto-ignition point: ND
Fire Extinguishing Media: Foam, CO$_2$, water fog, sand/earth.
Special Fire Fighting Procedures: Must wear NOISH approved self-contained breathing apparatus and protective clothing. Cool fire exposed containers with water spray.
Unusual Fire and Explosion Hazards: When heated above the flash point, flammable vapors may be omitted. Fine mists or sprays may be flammable at temperatures below the flash point.
Hazardous combustion products: ND
DOT Class: Flammable.

Section 6: Accidental Release Measures
Steps to be Taken in Case Material is Released or Spilled (bulk): Use suitable protective clothing/equipment. Ventilate area and remove sources of ignition. No smoking. Prevent skin contact and breathing vapors. Confine and remove with inert absorbent.
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:
Handling: No smoking. Close container after each use. Wash hands thoroughly after handling. Exposure by inhalation or skin contact should be minimized.
Storage: Keep away from heat, sparks, and flames. Do not store over 120 °F. Store in a cool, dry place. Protect containers against damage. Keep closed when not in use. Eliminate possible ignition sources. Prevent static discharges. Use flame-proof electrical equipment.
Storage temperature: ND
Storage Pressure: NA

Section 8: Exposure Controls / Personal Protection
Engineering Controls
Ventilation required: Provide adequate ventilation.

Personal Protection Equipment
Respiratory protection: Use with adequate ventilation and avoid breathing vapors. An approved respirator should be worn if the maximum exposure levels noted in Section 2 are surpassed.
Protective gloves: Neoprene gloves.
Eye protection: Safety glasses 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: Clear liquid.
Odor (threshold): Solvent (ND)
Specific Gravity (H$_2$O=1): 0.94-1.02
Vapor Pressure (mm Hg): ND
Vapor Density (air=1): Heavier than air
Percent Volatile by volume: ND
Evaporation Rate (butyl acetate=1): ND
Boiling Point: ND
Freezing point / melting point: ND
pH: ND
Solubility in Water: Insoluble
Molecular Weight: ND

### Section 10: Stability and Reactivity
Stability: Stable
Conditions to Avoid: Extreme temperatures, flame, electric spark, static, heat.
Hazardous Decomposition Products: Carbon monoxide, carbon dioxide, nitrous oxides, smoke.
Hazardous Polymerization: Will not occur.

### Section 11: Toxicological Information
Results of component toxicity test performed:

<table>
<thead>
<tr>
<th>Compound</th>
<th>Oral LD50 (Rat)</th>
<th>Inhalation LC50 (Rat)</th>
<th>Dermal LD50 (Rabbit)</th>
<th>Skin corrosion/irritation</th>
<th>Serious eye damage/eye irritation</th>
</tr>
</thead>
<tbody>
<tr>
<td>Isopropyl Alcohol</td>
<td>5,045 mg/kg</td>
<td>16,000 ppm (8 h)</td>
<td>12,800 mg/kg</td>
<td>Skin - Rabbit</td>
<td>Serious eye damage/eye irritation</td>
</tr>
<tr>
<td></td>
<td>(Remarks – behavioral: altered sleep time, somnolence)</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Butyl Acetate</td>
<td>10,760 mg/kg</td>
<td>14,112 mg/kg</td>
<td>&gt;14,112 mg/kg</td>
<td>Skin – Rabbit</td>
<td>Serious eye damage/eye irritation</td>
</tr>
<tr>
<td>Ethyl acetate</td>
<td>5,620 mg/kg</td>
<td>45,000 mg/m³ (2h)</td>
<td>&gt;18,000 mg/kg</td>
<td>Skin – Rabbit</td>
<td>Serious eye damage/eye irritation</td>
</tr>
</tbody>
</table>

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:
Isopropyl Alcohol (67-63-0)
Toxicity to fish
- LC50 – Pimephales promelas (fathead minnow) – 9,640.00 mg/l (96 h)
EC50 – Daphnia magna (water flea) – 5,102.00 mg/l (24 h)
Toxicity to daphnia and other aquatic invertebrates
  Immobilization EC50 – Daphnia magna (water flea) – 6,851 mg/l (24 h)
Toxicity to algae
  EC50 – Desmodesmus subspicatus (green algae) - >2,000.00 mg/l (72 h)
  EC50 – Algae - >1,000.00 mg/l (24 h)

Butyl Acetate (123-86-4)
Toxicity to fish
  Flow-through test LC50 – Pimephales promelas (fathead minnow) – 18 mg/l (96 h)
Toxicity to daphnia and other aquatic invertebrates
  Static test EC50 – Daphnia (water flea) – 44 mg/l (48 h)
Toxicity to algae
  Static test EC50 – Desmodesmus subspicatus (Scenedesmus subspicatus) – 674.7 mg/l (72 h)

Persistence and biodegradability
  Aerobic – Exposure time 28 d
  Result: 83% - Readily biodegradable

Ethyl acetate (141-78-6)
Toxicity to fish
  LC50 – Oncorhynchus mykiss (rainbow trout) – 350.00-600.00 mg/l (96h)
  LC50 – Pimephales promelas (fathead minnow) – 220.00-250.00 mg/l (96 h)
Toxicity to daphnia and other aquatic invertebrates
  EC50 – Daphnia magna (water flea) – 2,300.00-3,090.00 mg/l (24 h)
  LC50 – Daphnia magna (water flea) – 560 mg/l (48 h)
  EC50 – Selenastrum – 1,800.00 -3,200.00 mg/l (72 h)

Persistence and biodegradability
  Result: 79% - Readily biodegradable

Bioaccumulative potential
  Bioaccumulation: -3 d. Bioconcentration factor (BCF): 30

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: Paint
  Hazard Class: 3
  Packaging group: II
  UN Number: UN1263
IATA: Proper shipping name: Paint
  Hazard Class: 3
  Packaging group: II
  UN Number: UN1263
IMO: Proper shipping name: Paint
  Hazard Class: 3
  Packaging group: II
  UN Number: UN1263
  Marine Pollutant: No
  Canadian TDG: Paint

Section 15: Regulatory Information
**United States Federal Regulations**
SARA Title III (Section 302): No components subject to reporting requirements of this section.
SARA Title III (Section 313): The following components are subject to reporting levels established by this section: Isopropyl alcohol (67-63-0)
SARA Title III (Sections 311 and 312):
   - Isopropyl alcohol (67-63-0): Fire hazard, acute health hazard
   - Butyl Acetate (123-86-4): Fire hazard, chronic health hazard
   - Ethyl acetate (141-78-6): Fire hazard, acute health hazard, chronic health hazard
RCRA:
   - Butyl Acetate (123-86-4): 5,000 Rq
   - Ethyl acetate (141-78-6): 5,000 Rq
TSCA: All components are listed
CERCLA: None listed.

**State Regulations**
California Proposition 65: Ethanol (64-17-5): Chemicals known to cause developmental toxicity.

**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

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