Safety Data Sheet

Product No. 114-8, Black Nail Polish
Issue Date (10-06-15)
Review Date (08-31-17)

Section 1: Product and Company Identification
Product Name: Black 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
   STOT, SE 3
   H319: Causes serious eye irritation.
   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.
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: Black 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)
<table>
<thead>
<tr>
<th>Principle Hazardous and Non-Hazardous Component(s) (chemical and common name(s))</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>
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<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>
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<tr>
<td>Tosylamide/Epoxy Resin (ND)</td>
<td>ND</td>
<td>ND</td>
<td>ND</td>
<td>No</td>
<td>No</td>
<td>No</td>
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<tr>
<td>Acetyl Tributyl Citrate (77-90-7)</td>
<td>ND</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>Triphenyl Phosphate 115-86-6 EC- No: 204-112-2</td>
<td>ND</td>
<td>ND</td>
<td>ND</td>
<td>No</td>
<td>No</td>
<td>No</td>
</tr>
<tr>
<td>Stearalkonium Bentonite (ND)</td>
<td>ND</td>
<td>ND</td>
<td>ND</td>
<td>No</td>
<td>No</td>
<td>No</td>
</tr>
<tr>
<td>Phthalic Anhydride/Trimellitic Anhydride/Glycols Copolymer (ND)</td>
<td>ND</td>
<td>ND</td>
<td>ND</td>
<td>No</td>
<td>No</td>
<td>No</td>
</tr>
<tr>
<td>Silica (ND)</td>
<td>ND</td>
<td>ND</td>
<td>ND</td>
<td>No</td>
<td>No</td>
<td>No</td>
</tr>
<tr>
<td>Etocrylene (5232-99-5) EC No.: 226-029-0</td>
<td>ND</td>
<td>ND</td>
<td>ND</td>
<td>No</td>
<td>No</td>
<td>No</td>
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<tr>
<td>Diacetone alcohol 123-42-2 EC No.: 204-626-7</td>
<td>ND</td>
<td>ND</td>
<td>ND</td>
<td>No</td>
<td>No</td>
<td>No</td>
</tr>
<tr>
<td>Trimethylpentanediyl Dibenzoate (68052-23-3)</td>
<td>ND</td>
<td>ND</td>
<td>ND</td>
<td>No</td>
<td>No</td>
<td>No</td>
</tr>
<tr>
<td>Alumina 1344-28-1</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**

**Eye(s) Contact:**  Flush eyes with plenty of water. If irritation persists, get medical attention.

**Skin Contact:**  Thoroughly wash the exposed area if irritation occurs. If irritation persists, get medical assistance.

**Inhalation:**  Immediately remove victim to fresh air. If respiratory problems arise, get medical assistance.

**Ingestion:**  Do not induce vomiting. Drink 3-4 glasses of water. Get prompt medical attention.

**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, CO₂, 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 emitted. 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

**Exposed Guidelines**
See Composition/Information on Ingredients (Section 3)

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**Section 9 Physical and Chemical Properties**
Appearance and Physical State: black liquid.
Odor (threshold): Solvent (ND)
Specific Gravity (H₂O=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

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**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.

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**Section 11: Toxicological Information**
Results of component toxicity test performed:
Isopropyl Alcohol (67-63-0)
- Oral LD₅₀ (Rat) 5,045 mg/kg (Remarks – behavioral: altered sleep time, somnolence)
- Inhalation LC₅₀ (Rat) 16,000 ppm (8 h)
- Dermal LD₅₀ (Rabbit) 12,800 mg/kg
Skin corrosion/irritation
  - Skin - Rabbit
  - Results: Mild skin irritation
Serious eye damage/eye irritation
  - Eyes – Rabbit
  - Result: Eye irritation – 24 h

Butyl Acetate (123-86-4)
- Oral LD₅₀ (Rat) 10,760 mg/kg
- Inhalation LC₅₀ (Rat) 14,112 mg/kg
- Dermal LD₅₀ (Rabbit)>14,112 mg/kg
Skin corrosion/irritation
  - Skin – Rabbit
  - Result: No skin irritation (4 h)
Serious eye damage/eye irritation
  - Eyes – Rabbit
Result: No eye irritation
Ethyl acetate (141-78-6)
   Oral       LD50 (Rat) 5,620 mg/kg
   Inhalation LC50 (Mouse) 45,000 mg/m³ (2h)
   Dermal     LD50 (Rabbit) >18,000 mg/kg
Skin corrosion/irritation
   Skin – Rabbit
      Result: Mild skin irritation
Human experience: Black Nail Polish is cosmetic product.
   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: Not 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

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