Safety Data Sheet

Product No. 114-8, Black Nail Polish
Issue Date (10-6-15)
Review Date (11-6-15)

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
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: 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.
P240  Ground/bond container and receiving equipment.
P241  Use explosion-proof electrical/ventilating/lighting/equipment.
P242  Use only non-sparking tools.
P243  Take precautionary measures against static discharge.
P261  Avoid breathing dust/fume/gas/mist/vapors/spray.
P264  Wash skin thoroughly after handling.
P271  Use only outdoors or in a well-ventilated area.
P273  Avoid release to the environment.
P280  Wear protective gloves/eye protection/face protection.
P303+P361+P353  IF ON SKIN (or hair): Remove immediately all contaminated clothing. Rinse skin with water/shower.
P304+P340+P312  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.
P305+P351+P338  IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do so. Continue rinsing.
P337+P313  If eye irritation persists: Get medical advice/attention.
P403+P233  Store in well-ventilated place. Keep container tightly closed.
P253  Keep cool.
P405  Store locked up.
P501  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: 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)

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### 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>
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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>
</tr>
<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>
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<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>
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<tr>
<td>Triphenyl Phosphate</td>
<td>115-86-6</td>
<td>ND</td>
<td>ND</td>
<td>No</td>
<td>No</td>
<td>No</td>
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<tr>
<td>Ingredient</td>
<td>ND</td>
<td>ND</td>
<td>ND</td>
<td>No</td>
<td>No</td>
<td>No</td>
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</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>
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<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>
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<tr>
<td>Silica (ND)</td>
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<td>No</td>
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<tr>
<td>Etoxylene (5232-99-5) EC No.: 226-029-0</td>
<td>ND</td>
<td>ND</td>
<td>ND</td>
<td>No</td>
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<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>
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<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>
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<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>
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<tr>
<td>Black 2/Cl 77266 (1333-86-4)</td>
<td>ND</td>
<td>ND</td>
<td>ND</td>
<td>No</td>
<td>No</td>
<td>No</td>
</tr>
<tr>
<td>Iron Oxides/Cl 77499 (ND)</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 attention.
- **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 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: 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

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:
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 (96 h)  
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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**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 in 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