



Material Safety Data Sheet

Product No. 114-8, Black Nail Polish

Issue Date (04-11-05)

Review Date (04-12-12)

Section 1: Product and Company Identification

Product Name: Black Nail Polish

Synonym: Nail lacquer

Chemical Family: Nitrocellulose lacquer

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

Principle Hazardous Component(s) (chemical and common name(s)) (Cas. No)	%	OSHA PEL mg/m³	ACGIH TLV mg/m³	NTP	IARC	OSHA regulated
Ethyl Acetate (141-78-6)	40-50	400 ppm	400 ppm	No	No	No
N-Butyl Acetate (123-86-4)	20-30	150 ppm	150 ppm	No	No	No
Nitrocellulose (9004-70-0)	5-10	NE	NE	No	No	No
Isopropyl Alcohol (67-63-0)	1-5	400 ppm	400 ppm	No	No	No
N-Butyl Alcohol (71-36-3)	1-5	100 ppm	100 pm	No	No	No
Camphor (DL) (76-22-2)	1-5	2	2	No	No	No
Dibutyl Phthalate (84-74-2)	<0.1	5	5	No	No	No

Section 3: Hazard Identification

Emergency overview

Appearance: Color viscous liquid.

Immediate effects: Irritation.

Potential health effects

Primary Routes of entry: Inhalation, skin and ingestion.

Signs and Symptoms of Overexposure: Central nervous system depression.

Eyes: May cause irritation.

Skin: May cause irritation.

Ingestion: May cause irritation of the digest tract.

Inhalation: May cause irritation of the nose and throat.

Chronic Exposure: Ingestion or inhalation of excessive quantities may cause nervous system depression (e.g., drowsiness, dizziness, loss of coordination, and fatigue). Direct contact with this material or exposure to the vapors or mists (greater than approximately 1000 ppm) may cause burning, tearing, redness, or swelling to the eyes and dry and cracking of the skin and dermatitis.

Chemical Listed As Carcinogen Or Potential Carcinogen: No ingredient present in this product is identified as a carcinogen or probable carcinogen by NTP, IARC, or OSHA. 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: Immediately flush eyes and obtain medical assistance if symptoms persist.

Skin Contact: Wash with soap and plenty of water.

Inhalation: Remove from exposure and treat symptomatically. Get medical attention if symptoms persist.

Ingestion: Call a physician or poison control center immediately. Induce vomiting as directed by medical personnel. Never give anything to be by mouth to an unconscious person.

Note to physician

Treatment: ND

Medical Conditions generally Aggravated by Exposure: Respiratory symptoms associated with pre-existing lung disorders (e.g., asthma-like conditions) may be aggravated by exposure to the vapors of this material. Persons with pre-existing skin disorder may be more susceptible to the effects of this material.

Section 5: Fire Fighting Measures

Flash Point: 24 °F

Flammable Limits: Lower: 0.5 Upper: 12

Auto-ignition point: ND

Fire Extinguishing Media: Water is the most effective fire extinguishing medium for Nitrocellulose. Dry chemical, Carbon dioxide or universal type foam could be used to extinguish small fires.

Special Fire Fighting Procedures: Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes. Use water spray to keep fire-exposed containers cool.

Unusual Fire and Explosion Hazards: Vapors form an explosive mixture in air between and the upper and lower explosive limits which can be ignited by many ignition sources.

Hazardous combustion products: Toxic fumes; carbon dioxide, carbon monoxide, and nitrogen oxide

DOT Class: Flammable liquid.

Section 6: Accidental Release Measures

Steps to be taken in Case Material is Released or Spilled: Stay upwind and away from

spill. Keep all sources of ignition and hot metal surfaces away from spill. Keep out of drains, sewers, or waterways. Use sand or other inert material to dam and contain spill. Do not flush with water; use absorbent pads. Large Spills: Call response team and notify appropriate local/state agencies.

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: Use non-sparking tools when handling this material. Keep containers tightly closed and store in a cool, dry area away from ignition sources.

Storage temperature: NE

Storage Pressure: NE

Section 8: Exposure Controls / Personal Protection

Engineering Controls

Ventilation required: System should be designed to be able to maintain airborne concentrations below the established exposure limits. If the current ventilation is not adequate to maintain this level, additional ventilation or exhaust systems may be required. Use explosive proof equipment.

Personal Protection Equipment

Respiratory protection: If airborne concentrations exceed the established exposure limit, a respirator is required. A self-contained breathing apparatus equipped with the appropriate cartridges and canisters should be used and NIOSH approved.

Protective gloves: Wear impermeable gloves.

Skin protection: Impervious clothing.

Eye protection: Safety goggles with side shields.

Additional clothing and/or equipment: ND

Exposure Guidelines

See Composition/Information on Ingredients (Section2)

Section 9 Physical and Chemical Properties

Appearance and Physical State: Color viscous liquid.

Odor (threshold): Sweet ester.

Specific Gravity (H₂O=1): 7.784 lb/gal

Vapor Pressure (mm Hg): ND

Vapor Density (air=1): ND

Percent Volatile by volume: ND

Evaporation Rate (butyl acetate=1): ≥ 1

Boiling Point: 171 °F – 228 °F

Freezing point / melting point: ND

pH: NA

Solubility in Water: Moderate

Molecular Weight: NA

Section 10: Stability and Reactivity

Stability: Stable

Conditions to Avoid: Open flame sources, electric spark, static, and heat.

Materials to Avoid (Incompatibility): This product is incompatible with strong acids or bases and oxidizers.

Hazardous Decomposition Products: Thermal decomposition in the presence of air may yield carbon dioxide, carbon monoxide, and nitrogen oxide. Under some conditions, methane, irritating aldehydes and carboxylic acids and hydrogen cyanide may be formed.

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: NIF

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 (Flammable Liquid)

Packaging group: PG II

UN Number: UN1263

Limitations: ND

IATA: Proper shipping name: Paint

Hazard Class: 3

Packing group: II

UN Number: 1263

Limitations: ND

Domestic shipments only:

IMO: Proper shipping name: Paint

Class: 3

UN Number: 1263

Packing group: II

EMS: NE

MFAG: NE

Marine Pollutant: ND

Canadian TDG: ND

IMDG Page: ND

Limitations: ND

Section 15: Regulatory Information

United States Federal Regulations

MSDS complies with OSHA's Hazard Communication Rule 29, CFR 1910.1200.

SARA: ND

SARA Title III: This product contains no chemical(s) subject to reporting requirements of section 313 of Title III and of 40 CFR 372.

RCRA: ND

TSCA: ND

CERCLA: ND

State Regulations

California Proposition 65: NA

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: **ND**; Fire: **ND**; Reactivity: **ND**
(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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