

## Safety Data Sheet

**Product No. 18706 DAPI, Fluorescent Dye**

**Issue Date (06-24-14)**

**Review Date (08-31-17)**

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### Section 1: Product and Company Identification

**Product Name:** DAPI, Fluorescent Dye

Synonym: 2-(4-Amidinophenyl)-6-indolecarbamide dihydrochloride .

4',6-Diamidino-2-phenylindole dihydrochloride.

DAPI, dihydrochloride.

#### 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**

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### Section 2: Hazard Identification

#### Classification of the substance or mixture

GHS Pictograms: Not a hazardous substance or mixture.

GHS Categories: Not a hazardous substance or mixture.

Hazards not otherwise classified (HNOC) or not covered by GHS - none

#### Health Effects:

NFPA Hazard Rating: Health: 0; Fire: 0; Reactivity: 0

HMIS® Hazard Rating: Health: 0; Fire: 0; Reactivity: 0

(0=least, 1=Slight, 2=Moderate, 3=High, 4=Extreme)

Results of PBT and vPvB assessment:

PBT: NA

vPvB: NA

#### Emergency overview

Appearance: Form: powder; Color: Yellow

Immediate effects ND

Primary Routes of entry: Eyes, skin, inhalation, and ingestion

Signs and Symptoms of Overexposure: ND

Eyes: ND

Skin: ND

Ingestion: ND

Inhalation: ND

Chronic Exposure: ND

Chemical Listed As Carcinogen Or Potential Carcinogen: No

See Toxicological Information (Section 11)

#### Potential environmental effects

See Ecological Information (Section 12)

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### Section 3: Composition / Information on Ingredients

Principle Component(s) (chemical and common name(s)) (Cas. No)	%	OSHA PEL mg/m3	ACGIH TLV mg/m3	NTP	IARC	OSHA regulated
4',6-Diamidino-2-phenylindole dihydrochloride * (28718-90-3) CAS-No. : 28718-90-3 EC-No. : 249-186-7	ND	ND	ND	No	No	No

\*No ingredients are hazardous according to OSHA criteria. No components need to be disclosed according to the applicable regulations.

Formula: C<sub>16</sub>H<sub>15</sub>N<sub>5</sub> · 2HCl

Molecular Weight: 350.25 g/mol

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### Section 4: First Aid Measures

#### If accidental overexposure is suspected

Eye(s) Contact: Flush eyes with water as a precaution.

Skin Contact: Wash off with soap and plenty of water.

Inhalation: If breathed in, move person into fresh air. If not breathing, give artificial respiration.

Ingestion: Never give anything by mouth to an unconscious person. Rinse mouth with water.

#### Note to physician

Treatment: ND

Medical Conditions generally Aggravated by Exposure: ND

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### Section 5: Fire Fighting Measures

Flash Point: ND

Flammable Limits: ND

Auto-ignition point: ND

Fire Extinguishing Media: Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

Special Fire Fighting Procedures: Wear self-contained breathing apparatus for fire-fighting if necessary.

Unusual Fire and Explosion Hazards: ND

Hazardous combustion products: Carbon oxides, nitrogen oxides, Hydrogen chloride gas.

DOT Class: NA

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### Section 6: Accidental Release Measures

Steps to be Taken in Case Material is Released or Spilled: Avoid dust formation. Avoid breathing vapors, mist or gas. Do not let product enter drains. Sweep up and shovel. Keep in suitable, closed containers for disposal.

Waste Disposal Methods: Dispose of waste according to Federal, State and Local Regulations.

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### Section 7: Handling and Storage

Precautions to be taken in Handling and Storage: Provide appropriate exhaust ventilation at places where dust is formed. Keep container tightly closed in a dry and well-ventilated place. Keep in a dry place.

Storage temperature: 2 - 8 °C

Storage Pressure: ND

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### Section 8: Exposure Controls / Personal Protection

#### Engineering Controls

Ventilation required: Contains no substances with occupational exposure limit values.

#### Personal Protection Equipment

**Respiratory protection:** Respiratory protection is not required. Where protection from nuisance levels of dusts are desired, use type N95 (US) or type P1 (EN 143) dust masks.

**Protective gloves:** Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.

**Skin protection:** Choose body protection in relation to its type, to the concentration and amount of dangerous substances, and to the specific work-place. The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

**Eye protection:** Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

Additional clothing and/or equipment: ND

### **Exposure Guidelines**

See Composition/Information on Ingredients (Section 3)

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## **Section 9 Physical and Chemical Properties**

Appearance and Physical State: Form: powder; Color: yellow

Odor (threshold): ND

Specific Gravity (H<sub>2</sub>O=1): ND

Vapor Pressure (mm Hg): ND

Vapor Density (air=1): ND

Percent Volatile by volume: ND

Evaporation Rate (butyl acetate=1): ND

Boiling Point: ND

Freezing point / melting point: ND

pH: 4.0 - 5.0 at 10 g/l at 20 °C (68 °F)

Solubility in Water: ND

Molecular Weight: ND

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## **Section 10: Stability and Reactivity**

Stability: Stable under recommended storage conditions.

Conditions to Avoid: ND

Materials to Avoid (Incompatibility): Strong oxidizing agents.

Hazardous Decomposition Products: ND

Hazardous Polymerization: ND

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## **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.

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## **Section 12: Ecological Information**

Ecological Information: ND

Chemical Fate Information: ND

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## **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.

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## **Section 14: Transportation Information**

US DOT Information: Proper shipping name: Not regulated.

IATA: Proper shipping name: Not regulated.

Marine Pollutant: No  
Canadian TDG: Not regulated.

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## **Section 15: Regulatory Information**

### **United States Federal Regulations**

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

SARA: 311/312 Hazards, No SARA Hazards

SARA Title III: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

SARA 313: This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

RCRA: ND

TSCA: ND

CERCLA: ND

### **State Regulations**

Massachusetts Right To Know Components: No components are subject to the Massachusetts Right to Know Act.

Pennsylvania Right To Know Components: 4',6-Diamidino-2-phenylindole dihydrochloride CAS-No. 28718-90-3

New Jersey Right To Know Components: 4',6-Diamidino-2-phenylindole dihydrochloride CAS-No. 28718-90-3

California Proposition 65: This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.

### **International Regulations**

Canada WHMIS: NA

Europe EINECS Numbers: NA

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## **Section 16: Other Information**

Label Information: ND

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.