



## Material Safety Data Sheet

**Product No. 18721 Hematoxylin, Certified, C.I. #75290**

**Issue Date (10-09-11)**

**Review Date (05-22-12)**

### Section 1: Product and Company Identification

**Product Name: Hematoxylin, Certified, C.I. #75290**

Synonym: Benz[b]indeno[1,2-d]pyran-3,4,6a,9,10(6H)-pentol, 7,11b-dihydro-, (6aS,11bR), Natural Black 1, Hydroxybrasilin.

**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/m <sup>3</sup>	ACGIH TLV mg/m <sup>3</sup>	NTP	IARC	OSHA regulated
Hematoxylin (517-28-2)	99-100	ND	ND	No	No	No

### Section 3: Hazard Identification

#### Emergency overview

Appearance: Light tan to brown crystals.

Immediate effects: May cause eye and skin irritation. May cause respiratory and digestive tract irritation. The toxicological properties of this material have not been fully investigated.

#### Potential health effects

Target Organs: None known

Primary Routes of entry: Inhalation, ingestion, skin and eye contact.

Signs and Symptoms of Overexposure: ND

Eyes: May cause irritation.

Skin: May cause skin irritation.

Ingestion: May cause gastrointestinal irritation with nausea, vomiting and diarrhea. May be harmful if swallowed.

Inhalation: May cause irritation to the respiratory tract irritation. May be harmful if inhaled.

Chronic Exposure: NIF

Chemical Listed As Carcinogen Or Potential Carcinogen: NIF

See Toxicological Information (Section 11)

**Potential environmental effects**

See Ecological Information (Section 12)

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**Section 4: First Aid Measures**

**If accidental overexposure is suspected**

Eye(s) Contact: Immediately flush eyes with plenty of water for at least 15 minutes, lifting upper and lower eyelids occasionally. Get medical aid if irritation persists.

Skin Contact: In case of contact, flush skin with plenty of water for at least 14 minutes while removing contaminated clothing and shoes. Get medical attention if irritation develops or persists.

Inhalation: Remove from exposure to fresh air immediately. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical aid if cough or other symptoms appear.

Ingestion: If victim is conscious and alert, give 2-4 cupfuls of water or milk to drink. Never give anything by mouth to an unconscious person. Do NOT induce vomiting. Get medical aid immediately if irritation or symptoms appear.

**Note to physician**

Treatment: Treat symptomatically and supportively.

Medical Conditions generally Aggravated by Exposure:

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**Section 5: Fire Fighting Measures**

Flash Point: NA

Flammable Limits: NA

Auto-ignition point: NA

Fire Extinguishing Media: Use extinguishing media most appropriate for the surrounding fire. Use water spray, dry chemical, carbon dioxide, or appropriate foam.

Special Fire Fighting Procedures: As in any fire, wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or equivalent), and full protective gear. During a fire, irritating and highly toxic gases may be generated by thermal decomposition or combustion.

Unusual Fire and Explosion Hazards: NIF

Hazardous combustion products: NIF

DOT Class: Not regulated.

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**Section 6: Accidental Release Measures**

Steps to be Taken in Case Material is Released or Spilled: Vacuum or sweep up material and place into a suitable disposal container. Clean up spills immediately, observing precautions in the Protective Equipment section. Avoid generating dusty conditions. Provide ventilation.

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: Light sensitive store protected from

light. Wash thoroughly after handling. Remove contaminated clothing and wash before reuse. Use adequate ventilation. Keep container tightly closed. Avoid contact with eyes, skin and clothing. Avoid ingestion and inhalation.

Storage temperature: Store in a cool area.

Storage Pressure: NA

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## **Section 8: Exposure Controls / Personal Protection**

### **Engineering Controls**

Ventilation required: Use adequate ventilation to keep airborne concentrations low.

### **Personal Protection Equipment**

Respiratory protection: respiratory protection program that meets OSHA's 29 CFR 1910.134 and ANSI Z88.2 requirements or European Standard EN 149. Always use a NIOSH or European Standard EN 149 approved respirator when necessary.

Protective gloves: Wear protective gloves.

Skin protection: Wear appropriate protective clothing to prevent skin exposure.

Eye protection: Wear appropriate protective eyeglasses or chemical safety goggles as described by OSHA's eye and face protection regulations in 29 CFR 1910.133 or European Standard EN 166

Additional clothing and/or equipment: Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower. Use adequate ventilation to keep airborne concentrations low.

### **Exposure Guidelines**

See Composition/Information on Ingredients (Section2)

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

Appearance and Physical State: Light tan to brown crystalline powder.

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: 100 °C (212 °F)

pH: ND

Solubility in Water: Slightly soluble in cold water. Soluble in hot water.

Molecular Weight: 302.27

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

Stability: Stable under ordinary conditions of use and storage. Light sensitive. May discolor on exposure to light.

Conditions to Avoid: Light, dust generation, excess heat. Incompatible material.

Materials to Avoid (Incompatibility): Strong oxidizing agents

Hazardous Decomposition Products: Carbon monoxide, carbon dioxide, hydrocarbons

Hazardous Polymerization: None reported.

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**Section 11: Toxicological Information**

Results of component toxicity test performed:

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: Chemical waste generators must determine whether a discarded chemical is classified as a hazardous waste. US EPA guidelines for the classification determination are listed in 40 CFR Parts 261.3

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.

Hazard Class: None

Packaging group: None

UN Number: None

IATA: Proper shipping name: Not regulated.

Hazard Class: None

Packing group: None

UN Number: None

IMO: 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: None

SARA Title III: None

RCRA: None listed

TSCA: Listed on TSCA Inventory.

CERCLA: No RQ

**State Regulations**

California Proposition 65: No

CAS # 517-28-2 is not present on state lists from CA, PA, MN, MA, FL or NJ

**International Regulations**

Canada WHMIS: CAS # 517-28-2 is not listed on Canada's NDSL list. CAS # 517-28-2 is listed on Canada's DSL list. CAS # 517-28-2 is not listed on Canada's Ingredient

Disclosure List

Europe EINECS Numbers: 208-237-3  
RTECS: MH7875000

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### **Section 16: Other Information**

Label Information: Irritant.

European Risk and Safety Phrases: Risk: ND, Safety: S 24/25 Avoid contact with skin and eyes

European symbols needed: ND

Canadian WHMIS Symbols: D2B

NFPA Hazard Rating: Health: **1**; Fire: **0**; Reactivity: **0**  
(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

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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.